



H. Lutterthwaite
Nov. 1835.

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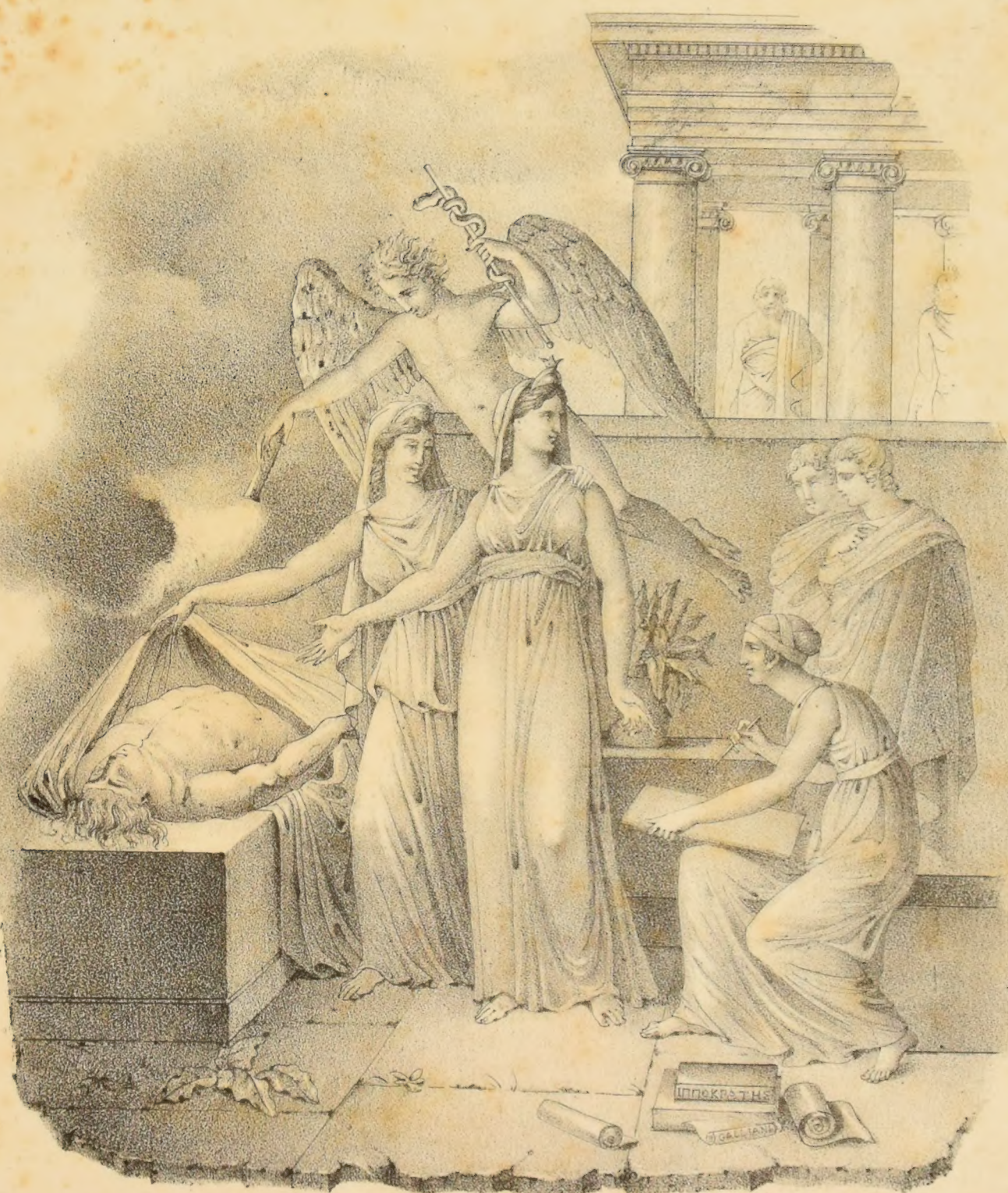
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ATLAS DU MANUEL

D'ANATOMIE DESCRIPTIVE

P A R

JULES CLOQUET.



I^{RE} PARTIE.

2222

MAG.5-7

PRÉFACE.

PLUSIEURS de mes confrères et un grand nombre d'étudiants en médecine m'ayant invité, en 1825, à publier, dans le format in-4°, l'ouvrage in-folio que je faisais paraître sur l'anatomie de l'homme, afin de le rendre plus commode pour l'étude et de le mettre à la portée de tout le monde, je me rendis à leur demande, et je fis paraître ce *Manuel d'Anatomie*.

Je voulus éviter les inconvéniens qui résultent pour l'étude de mettre en regard des planches leur explication, lorsque celle-ci dépasse une page, comme cela arrive le plus souvent dans mon ouvrage in-folio; aussi j'ai préféré faire trois volumes distincts : l'un pour le texte, le second pour l'explication des planches, et le troisième pour les planches elles-mêmes ou l'atlas. Cette division, et le format commode du livre, permettront au lecteur d'étudier avec la plus grande facilité la disposition des organes du corps humain, soit sur le texte, soit sur les planches et leur explication.

Comme dans mon premier ouvrage, j'ai suivi pour le *Manuel*, dans l'étude de l'Anatomie, l'ordre physiologique, et j'ai fait successivement connaître, 1° l'Os-téologie et la Syndesmologie, ou les os et leurs ligamens; 2° la Myologie, ou les muscles et leurs annexes; 3° la Névrologie, ou les nerfs et les organes des sens; 4° l'Angiologie, ou les vaisseaux sanguins et lymphatiques; 5° la Splanchnologie, ou les viscères; et enfin 6° l'Embryotomie, ou le fœtus et ses dépendances.

J'ai, autant que possible, décrit chaque organe, d'une manière concise, dans sa situation, sa grandeur, sa forme, ses rapports les plus importants, sa structure et ses fonctions.

J'ai fait dessiner les figures dans les dimensions les plus favorables à leur étude : beaucoup sont représentées de grandeur naturelle; quelques-unes même sont vues sous de plus grandes dimensions.

Dans l'examen de chacune des parties de la science, j'ai présenté les travaux des meilleurs anatomistes, et complété quelques-unes des lacunes que pouvaient offrir leurs ouvrages.

J'ai réparé quelques fautes ou omissions qui m'avaient échappé dans la publication de l'ouvrage in-folio ; j'ai donné plusieurs planches nouvelles sur les tissus élémentaires, sur l'anatomie microscopique, l'action des muscles et des os considérés comme puissances et leviers de nos mouvemens, etc.

En publiant ce *Traité d'Anatomie*, mon intention a été de faire une chose utile aux élèves et à ceux de mes confrères que leurs nombreuses occupations empêchent de se livrer à l'étude pratique de l'Anatomie, qui forme la base des bonnes études en médecine ; j'ai voulu leur éviter à la fois une perte considérable de temps pour les recherches qu'ils auraient été obligés de faire, et une grande dépense pour l'acquisition des ouvrages nombreux que j'ai consultés. Je m'estimerai heureux si je puis avoir atteint le but que je me suis proposé, et je m'empresse d'offrir mes bien sincères remerciemens à mes confrères et aux élèves qui ont, par leur souscription, encouragé mon entreprise.

Paris, 1^{er} septembre 1831.

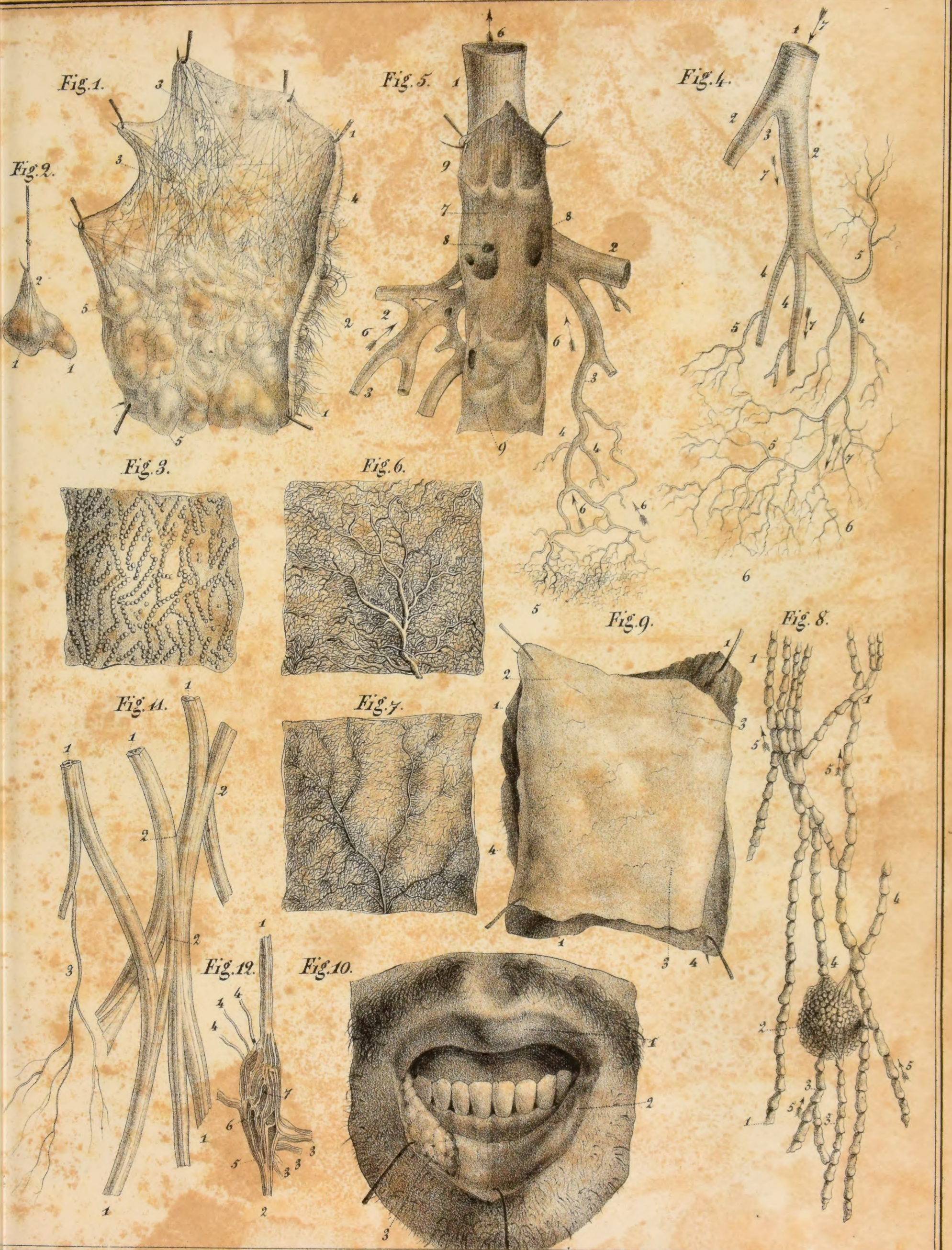


Fig. 2.



Fig. 1.



Fig. 3.



Fig. 6.



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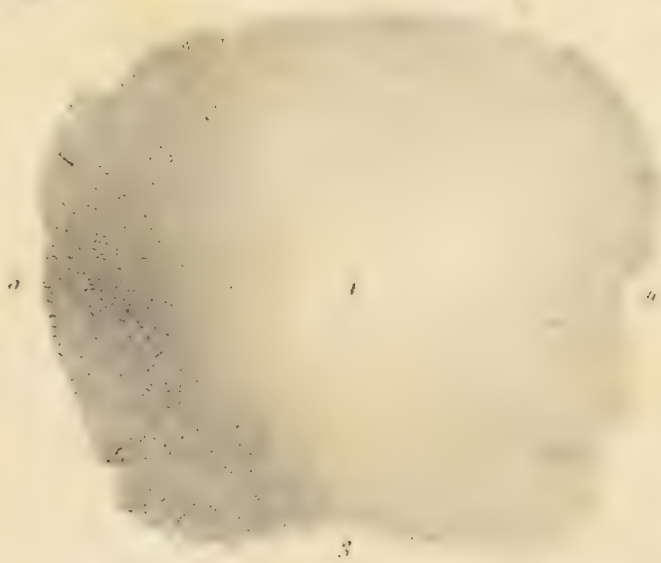


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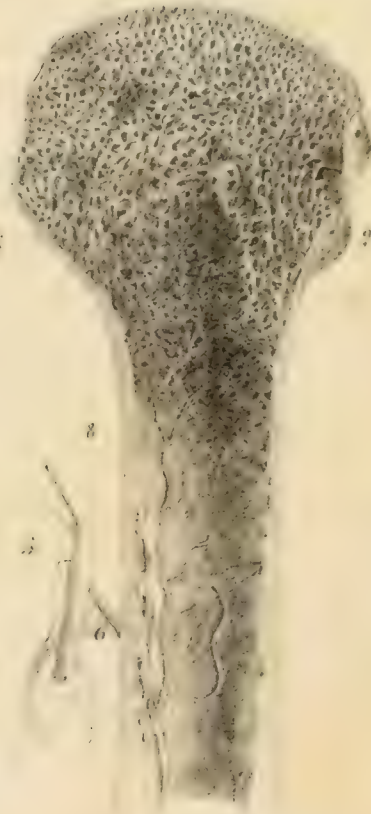


Fig. 7.



Fig. 9.



Fig. 11.



Fig. 10.

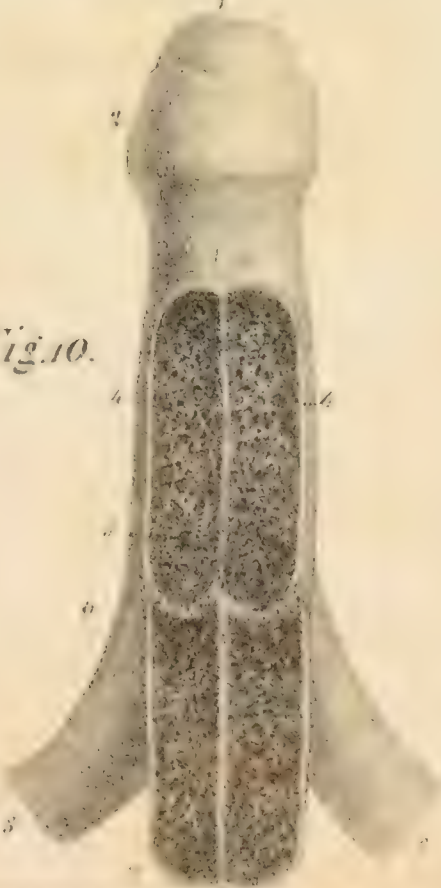


Fig. 8.



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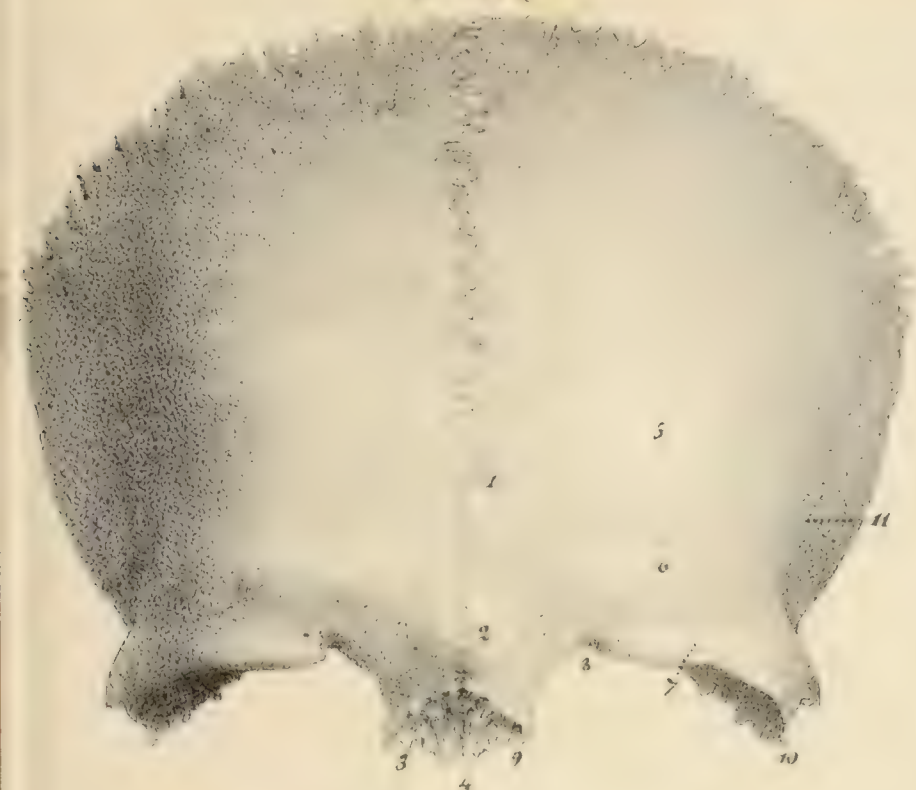


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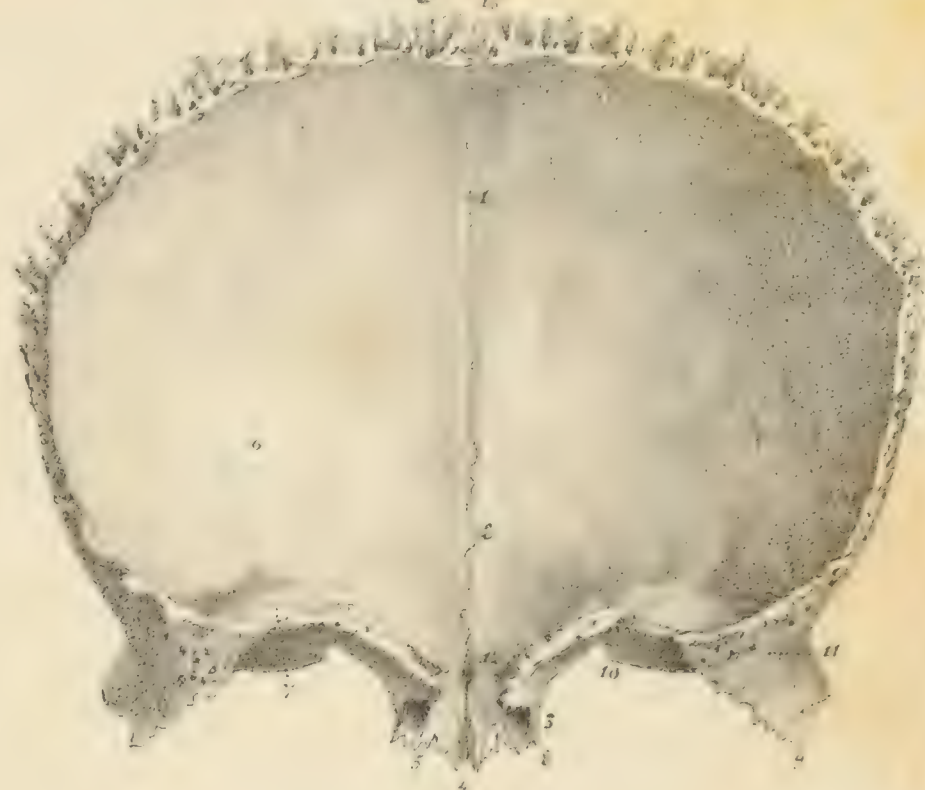


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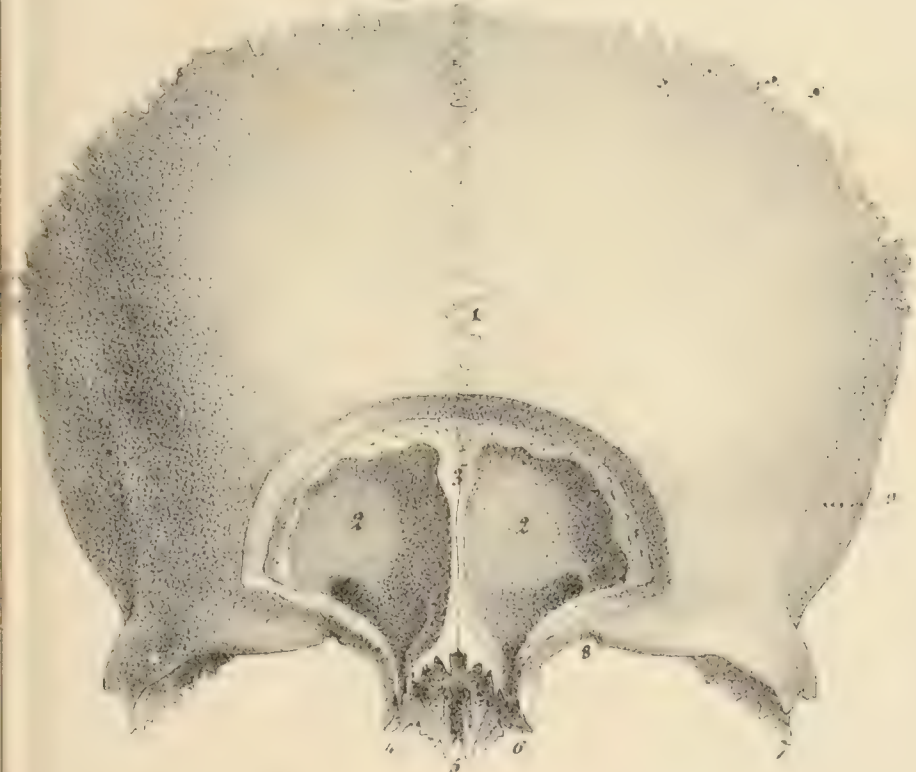


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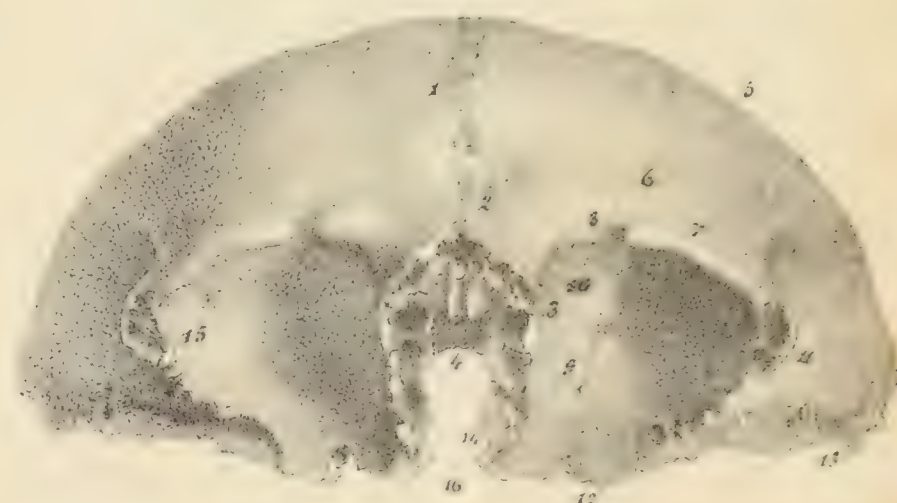


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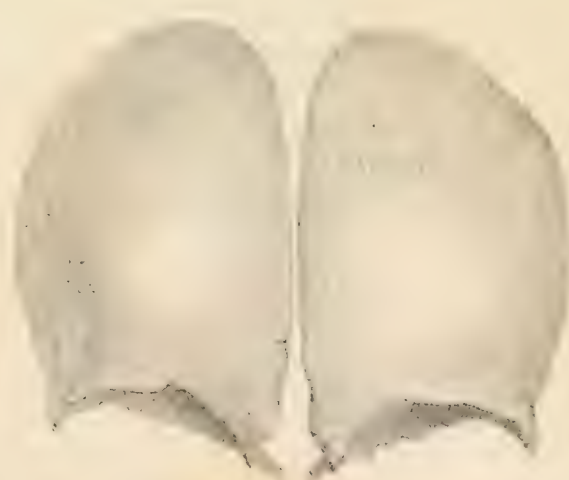


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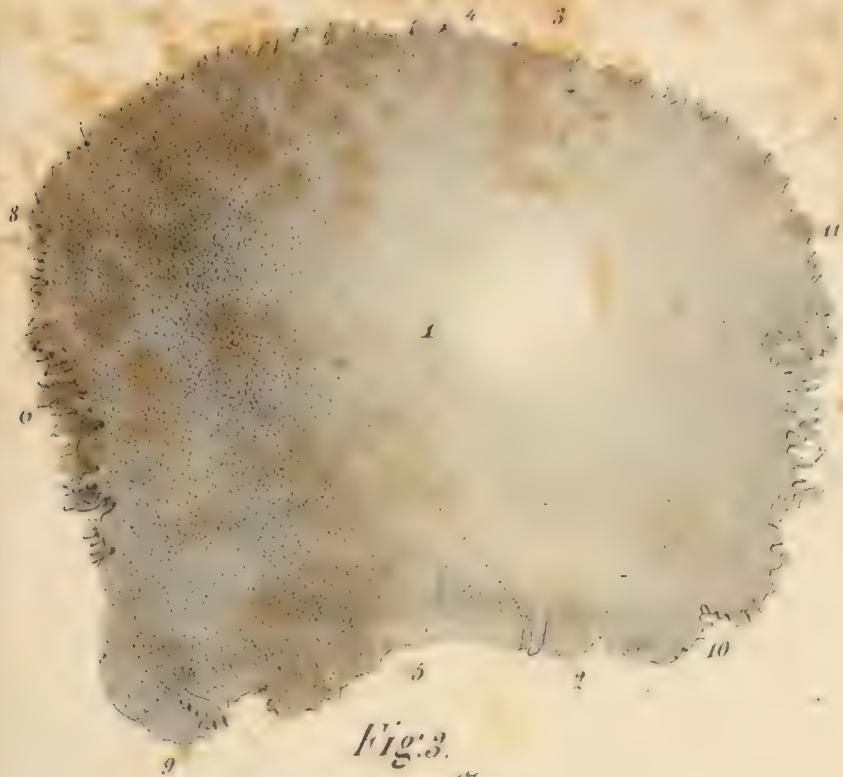


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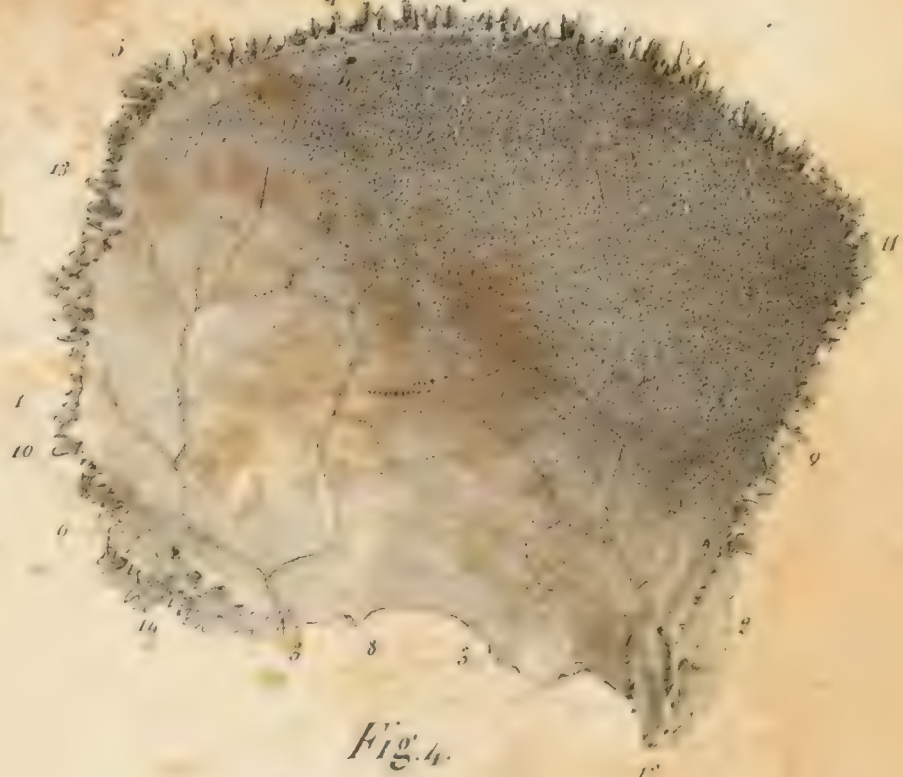


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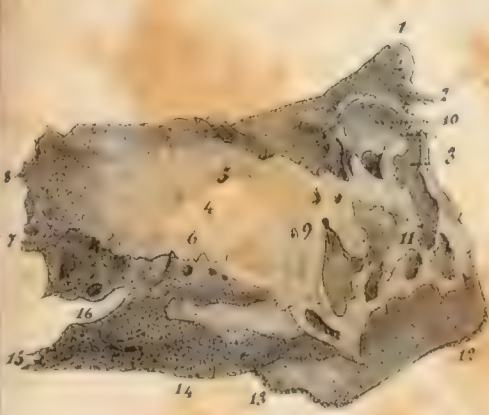


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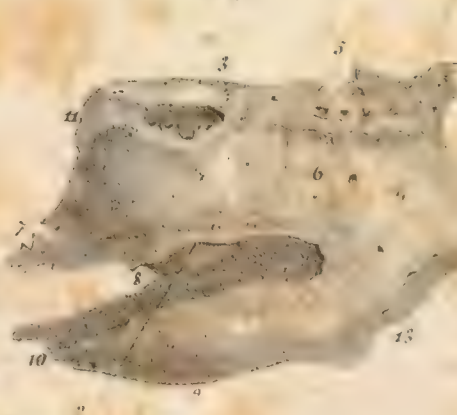


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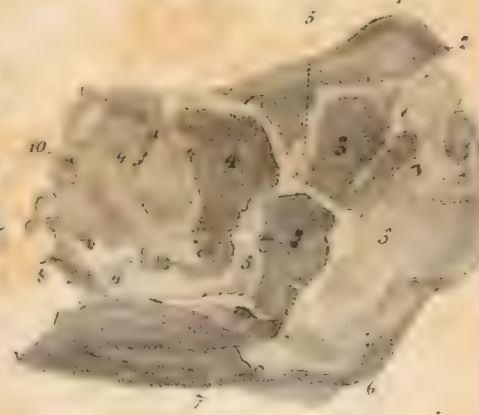


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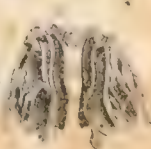


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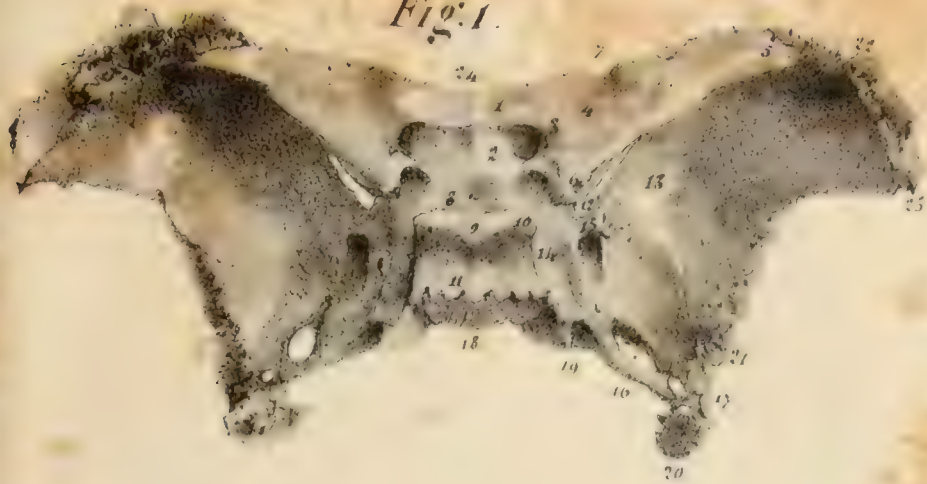


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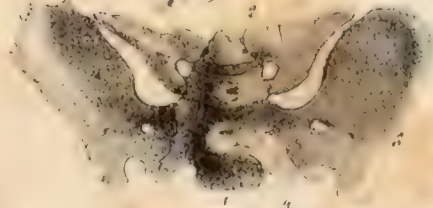


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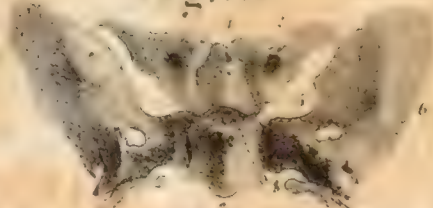


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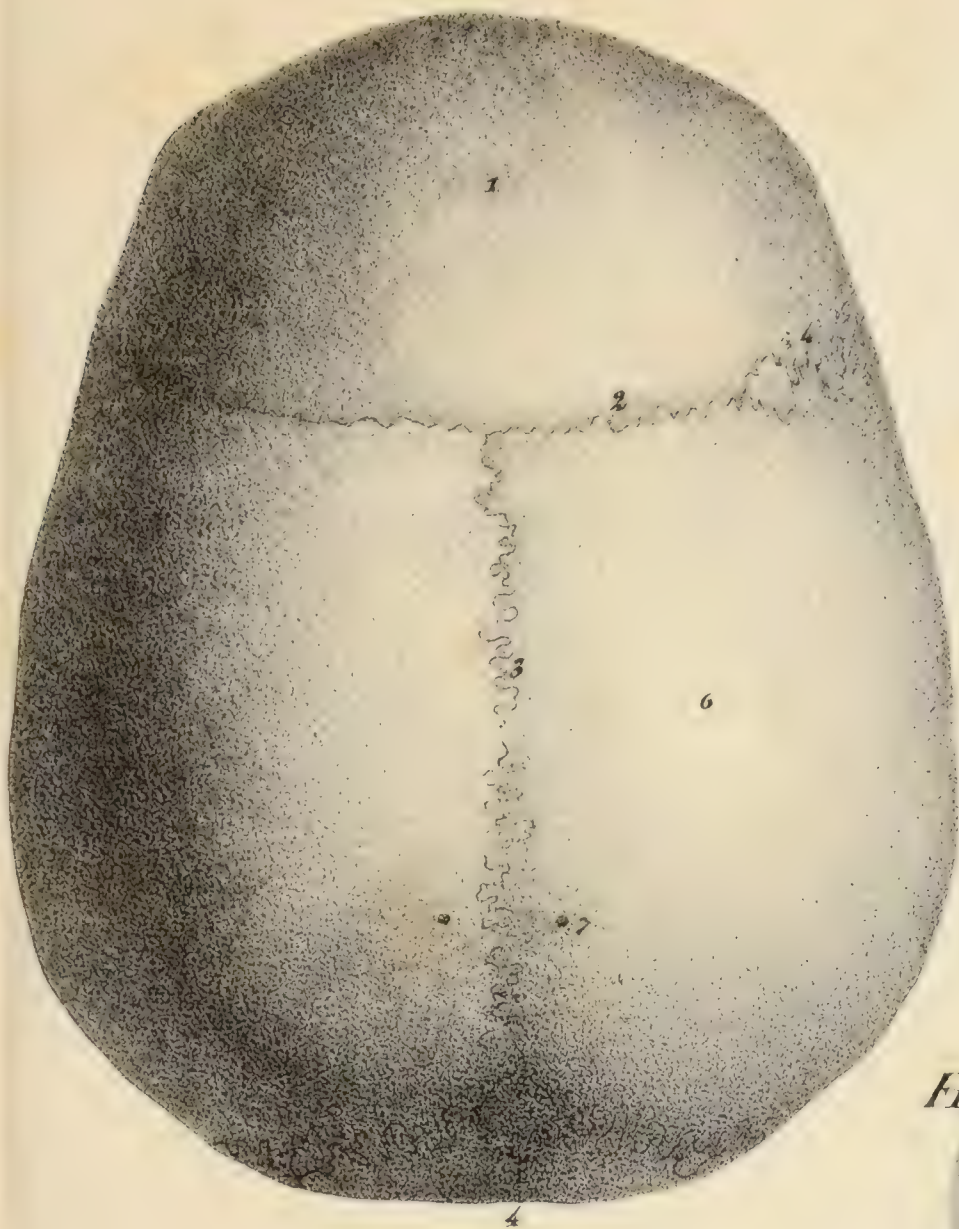


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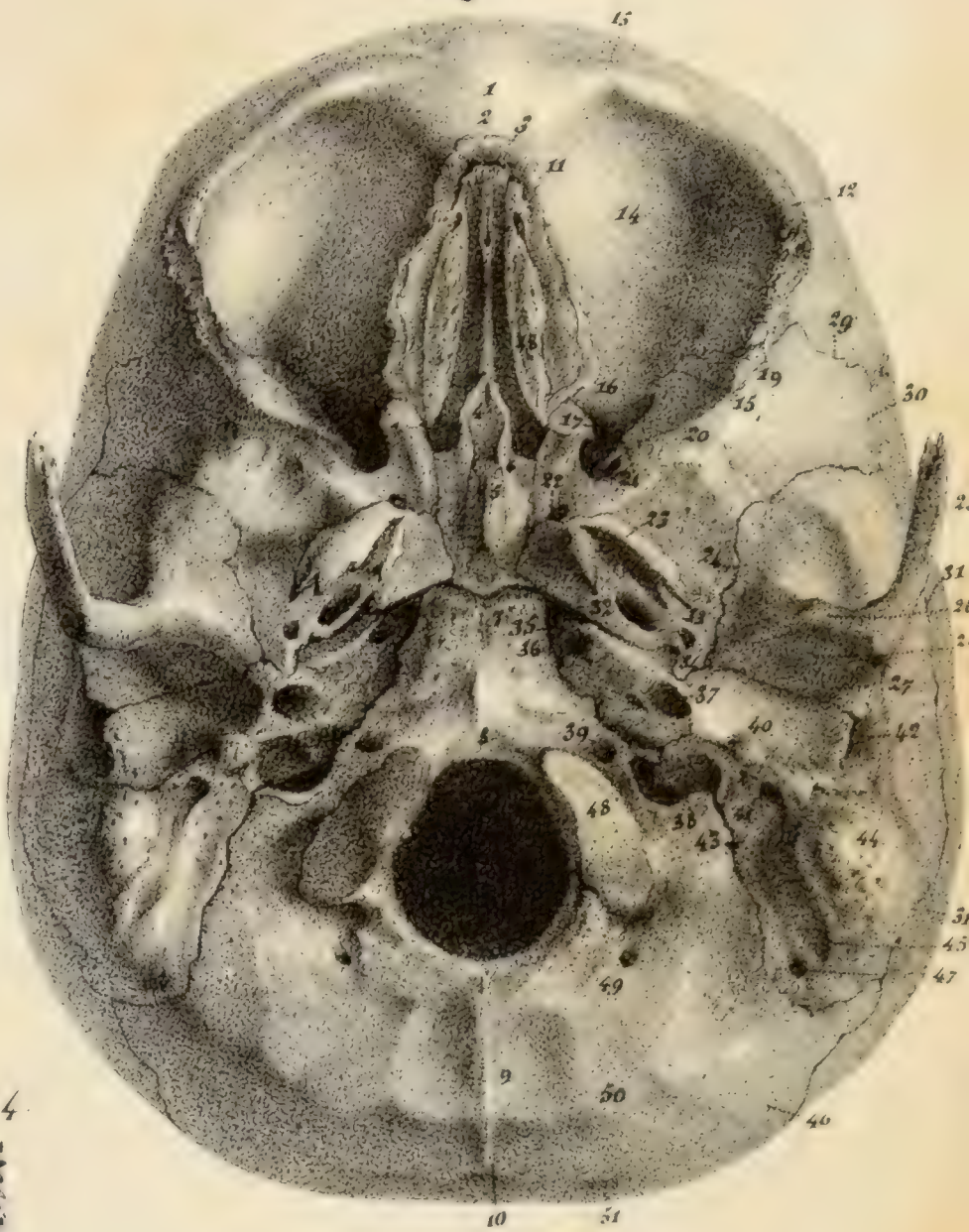


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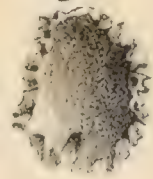


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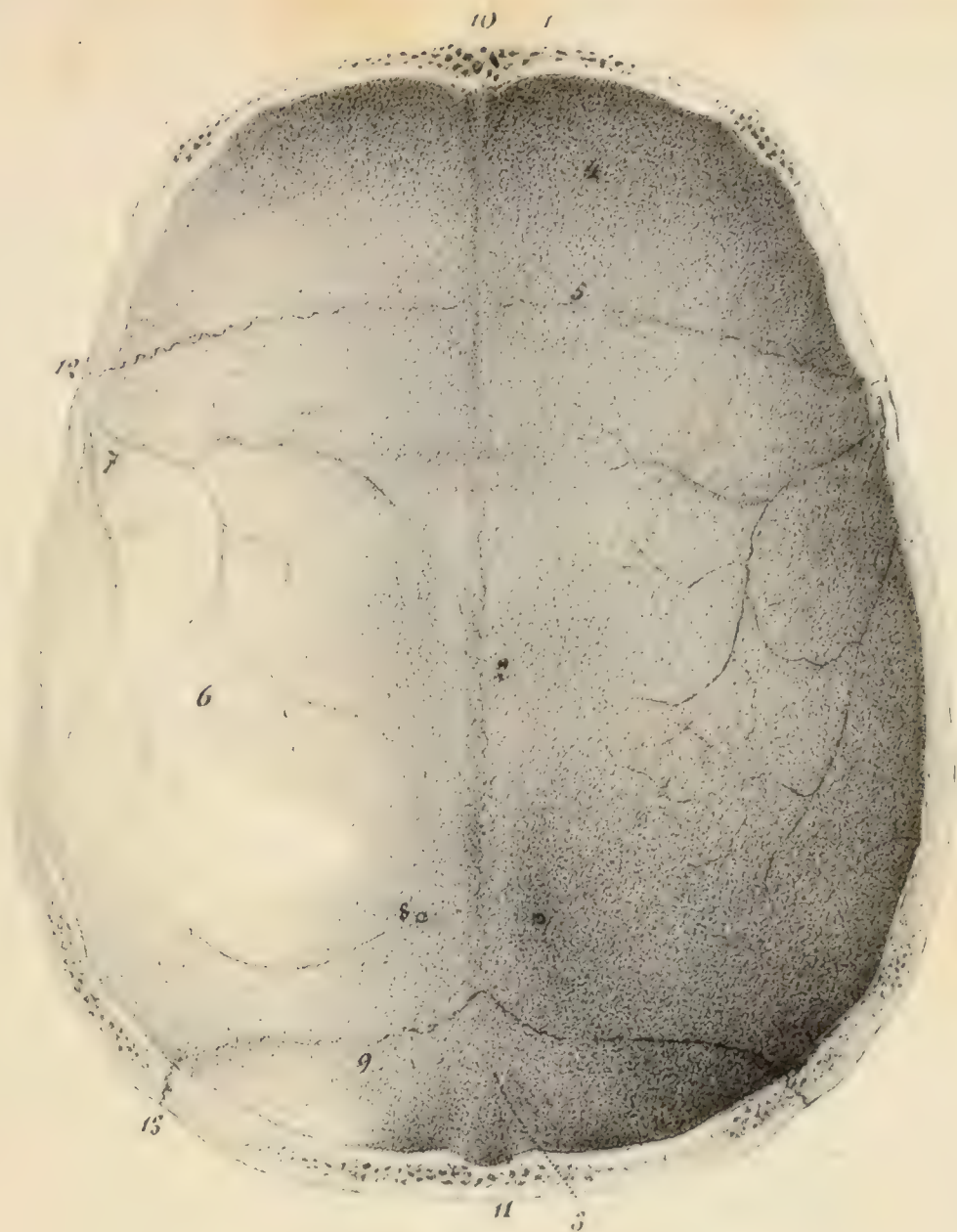


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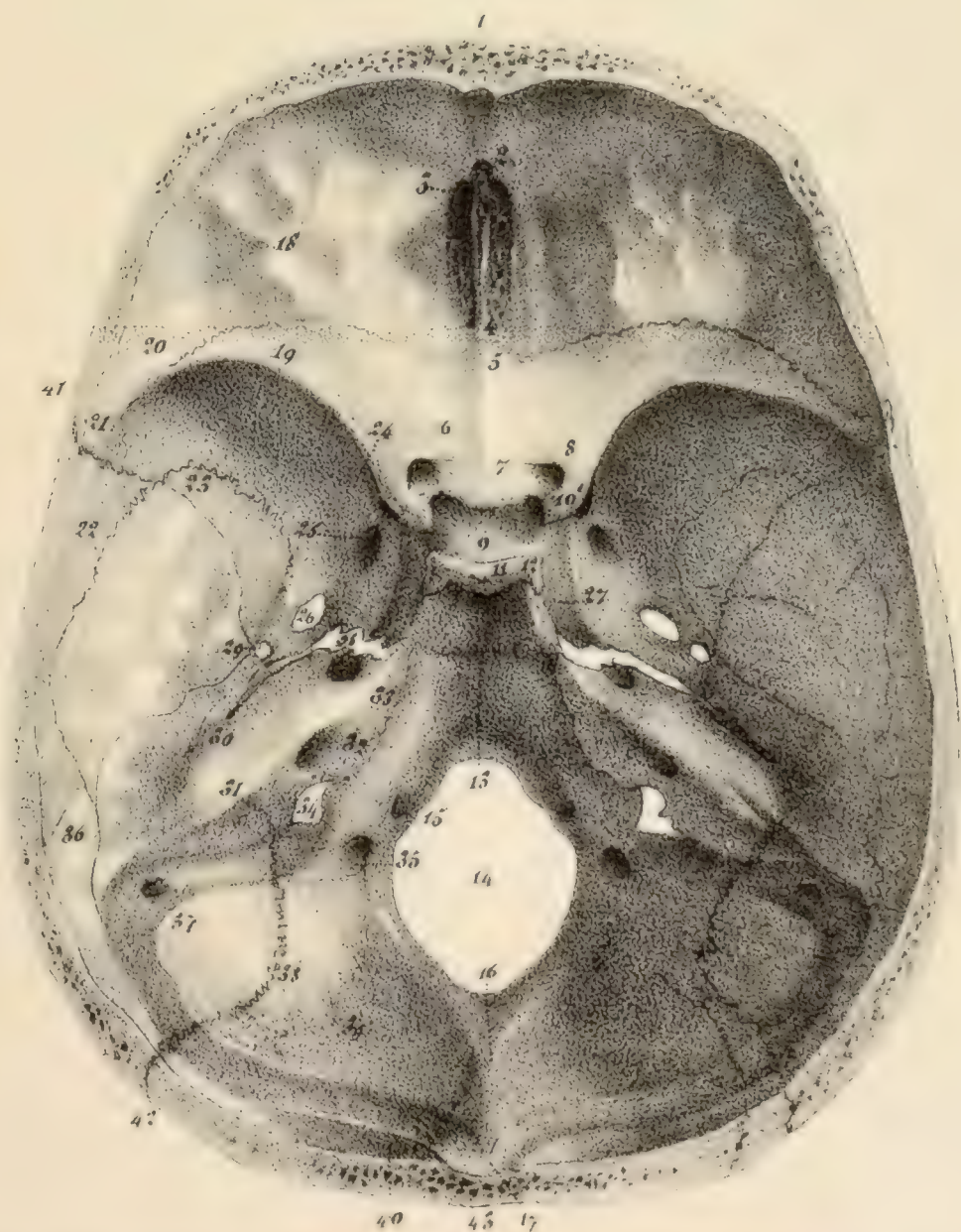


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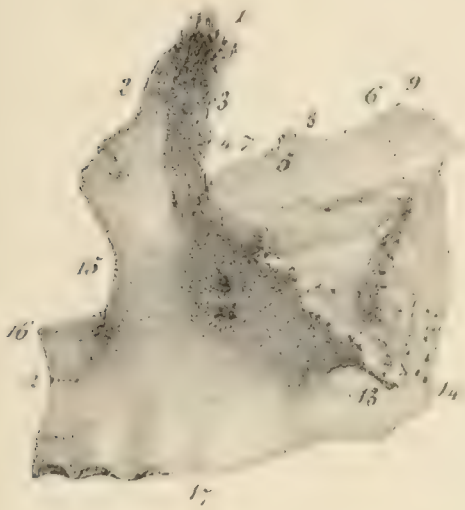


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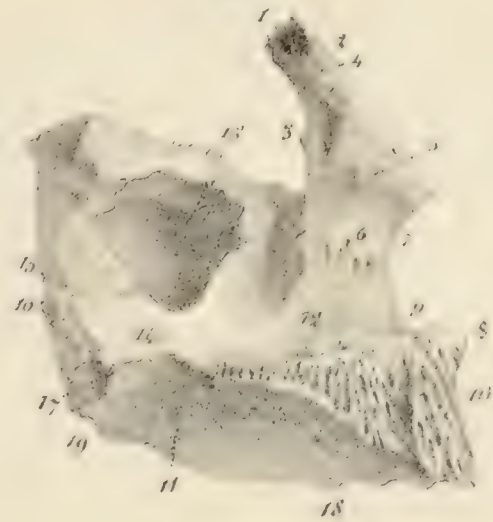


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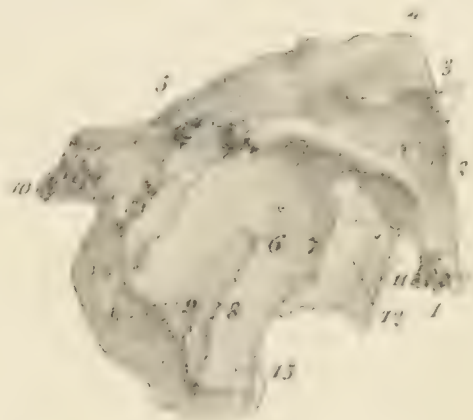


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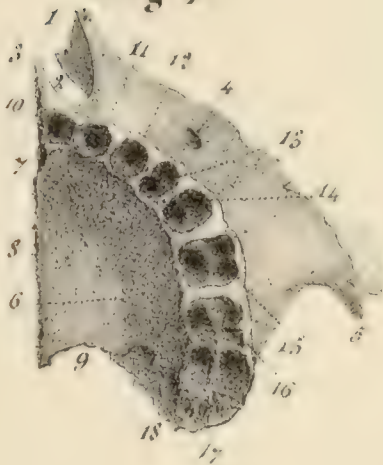


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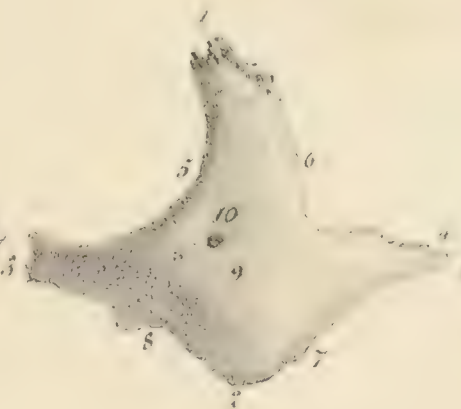


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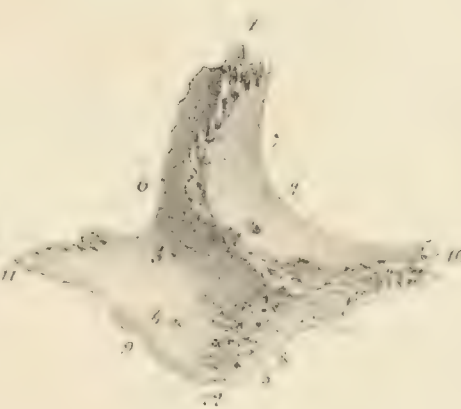


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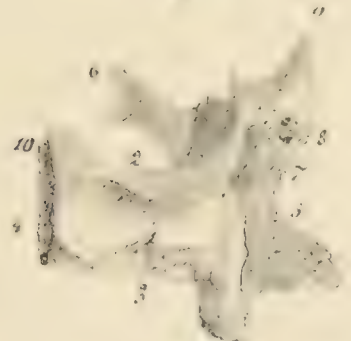


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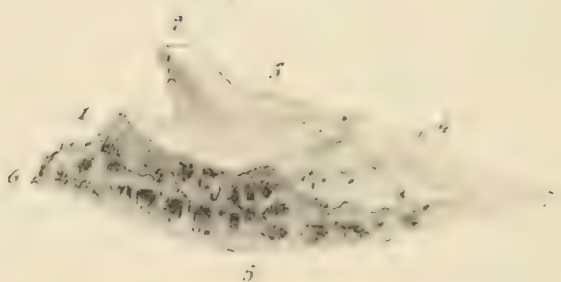


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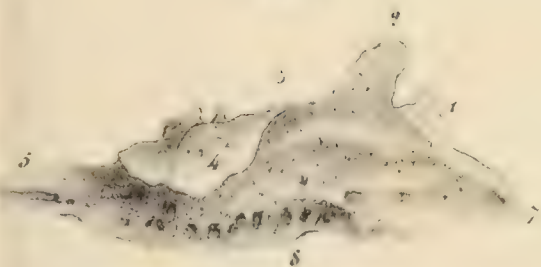


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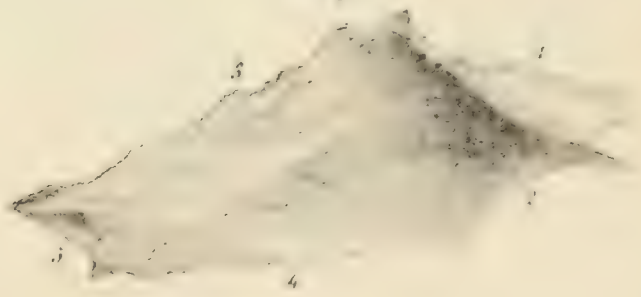


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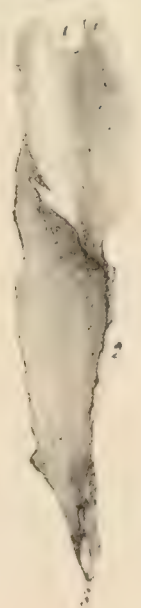


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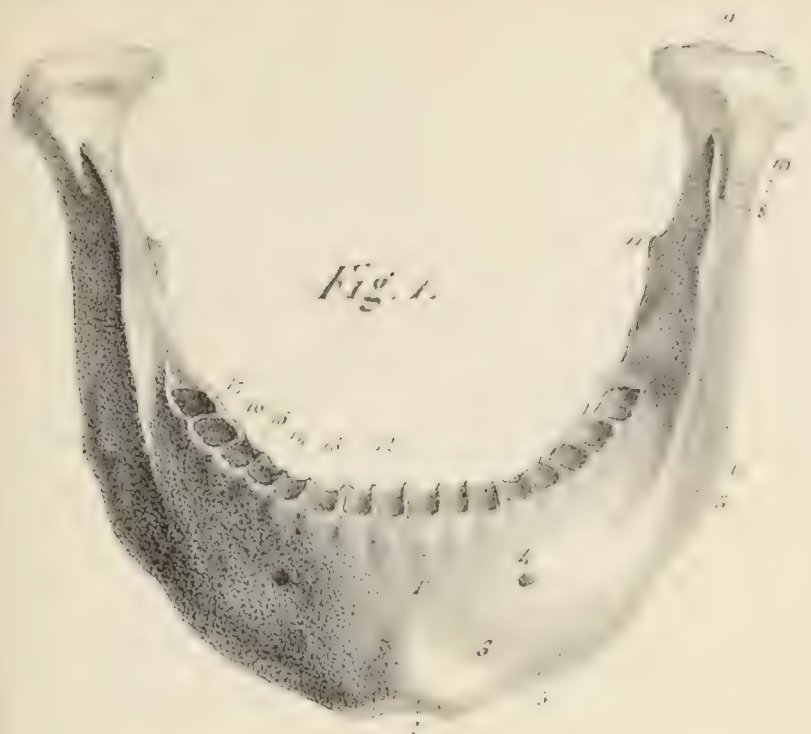


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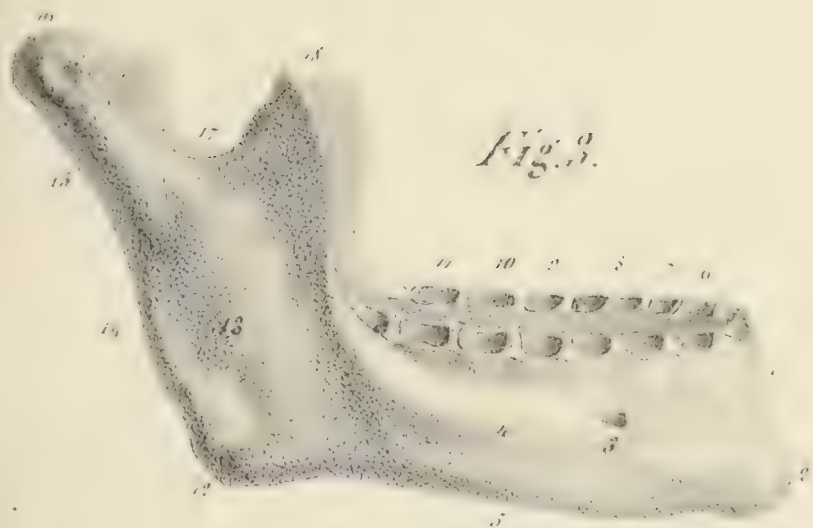


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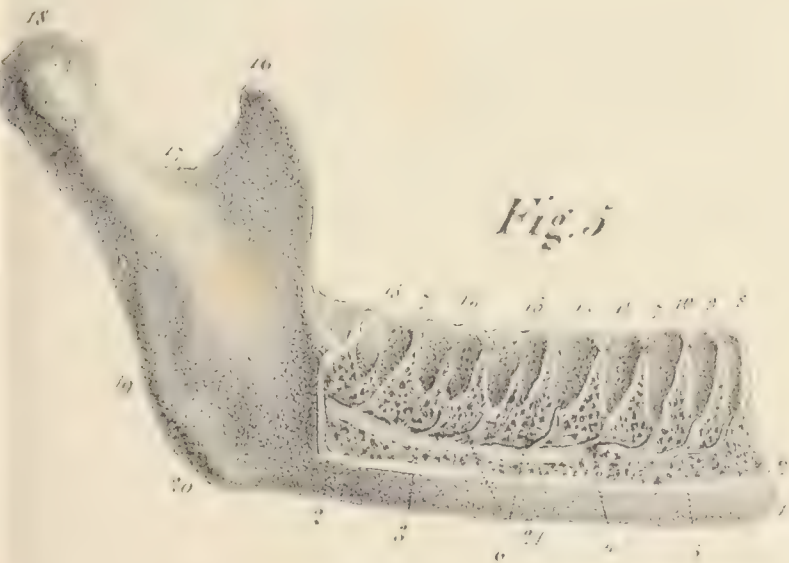


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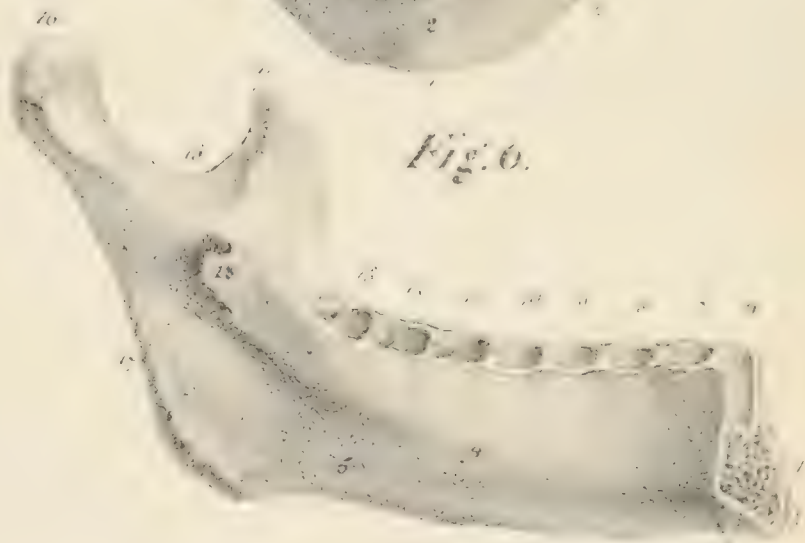


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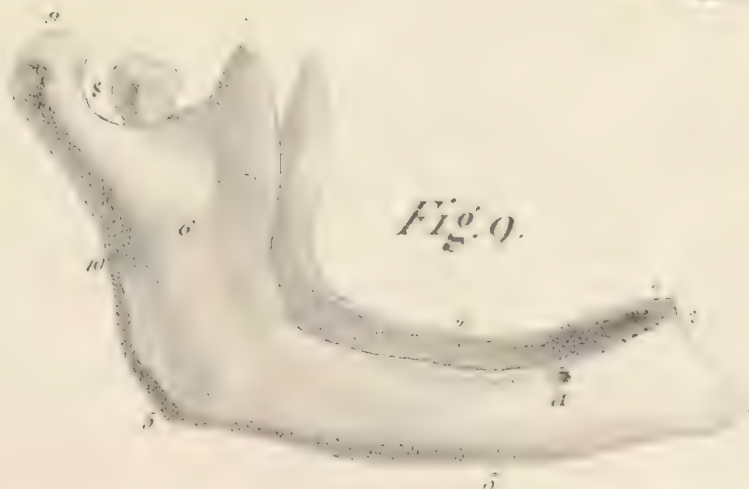


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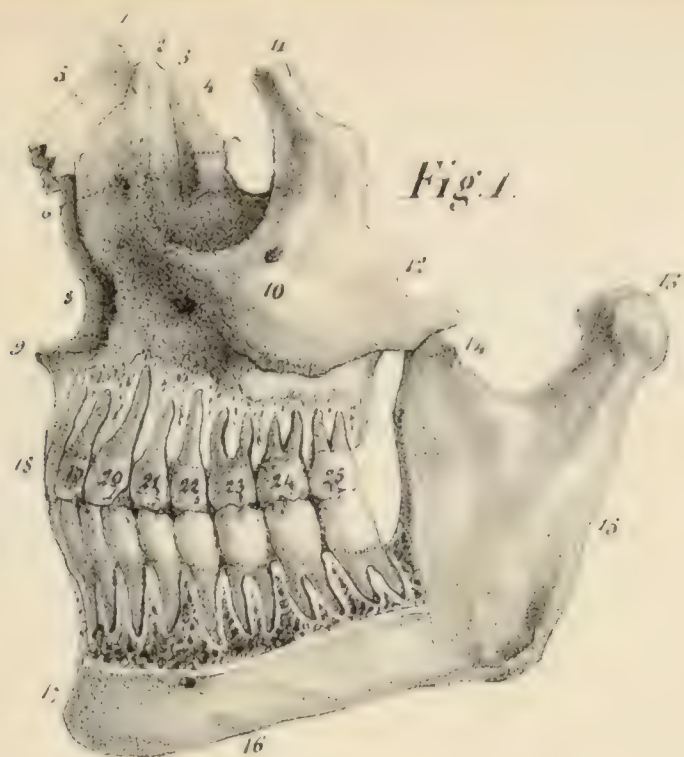


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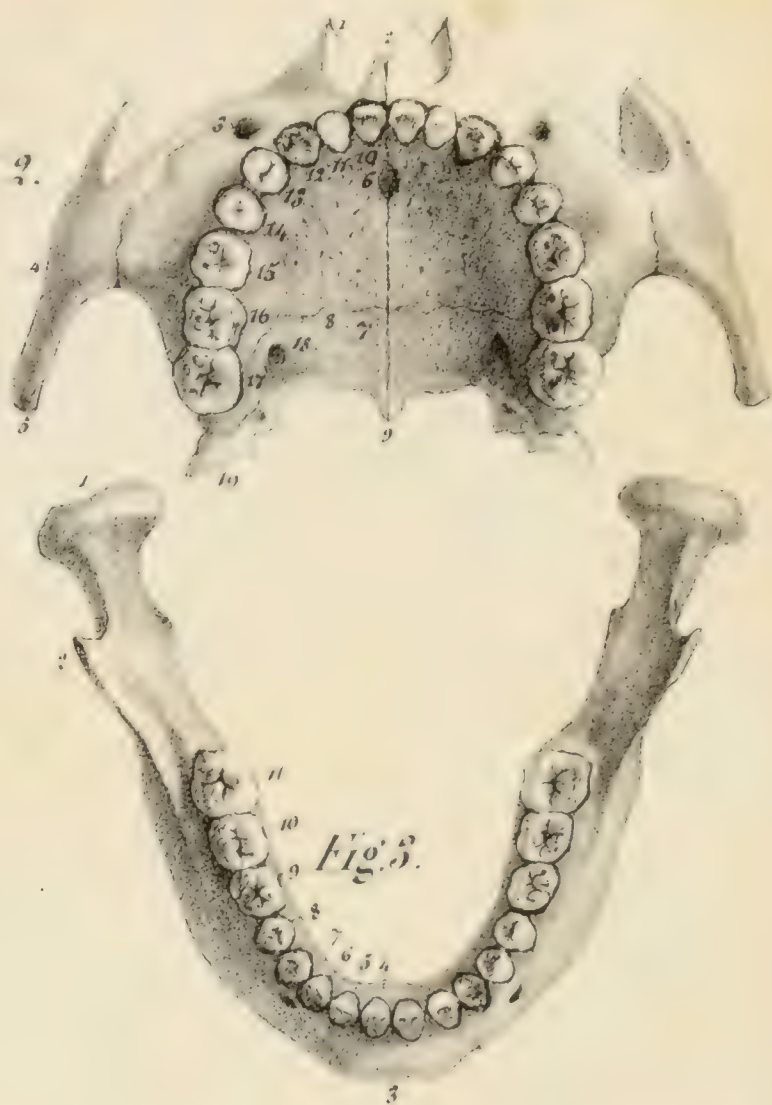


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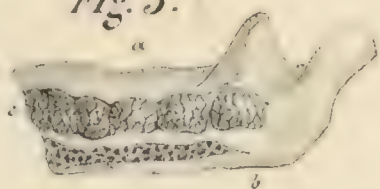


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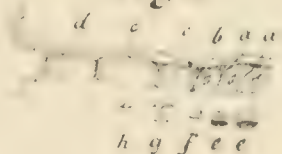


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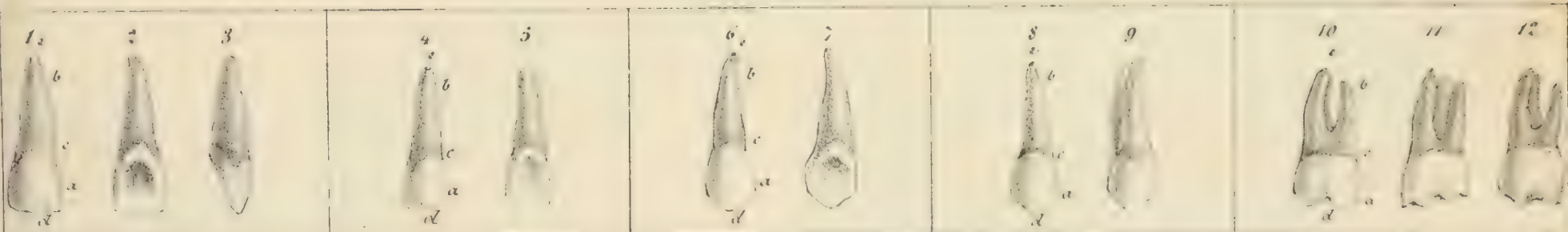


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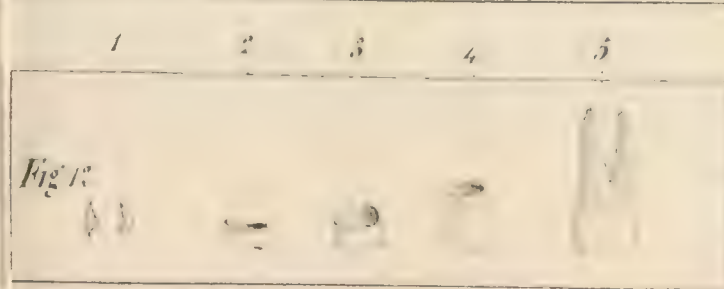
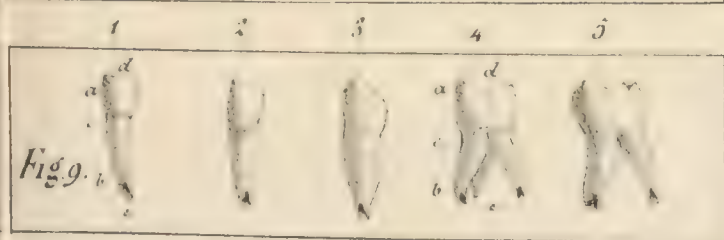
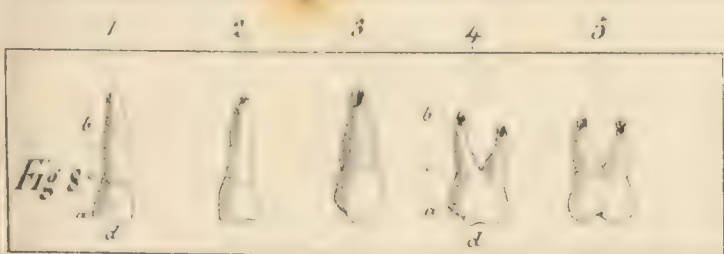
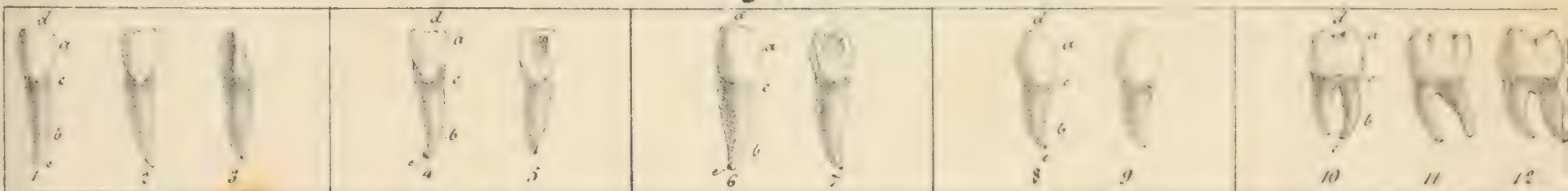
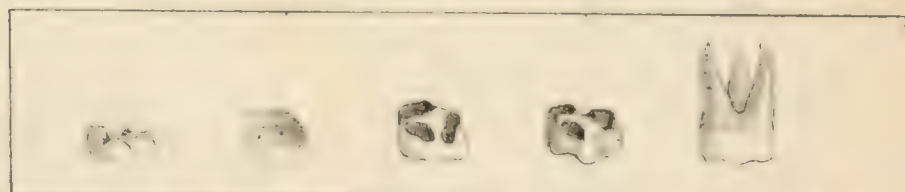


Fig. 10.



Fig. 11.



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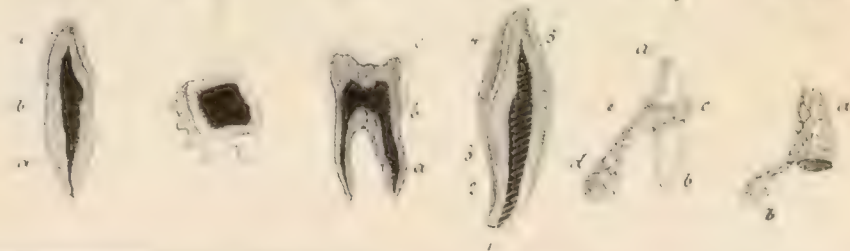


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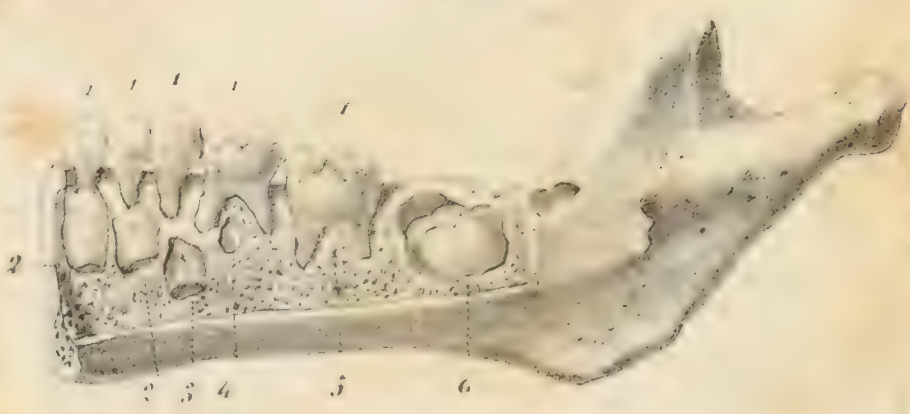


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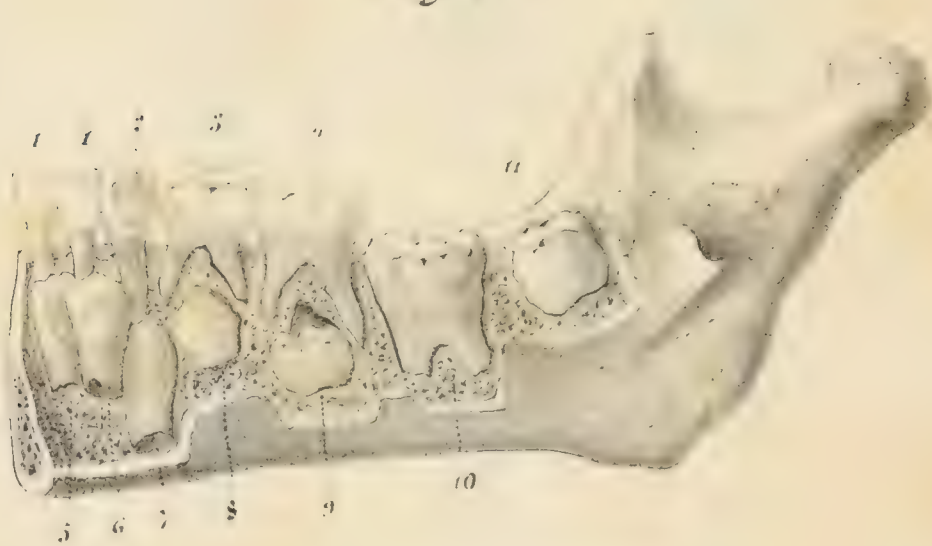


Fig. 3.



Fig. 6.



Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.



N^o 1.



N^o 2.



N^o 3.



N^o 4.



N^o 5.



N^o 6.



Fig. 9.

N^o 4.



N^o 5.



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N^o 4.



N^o 5.



N^o 6.



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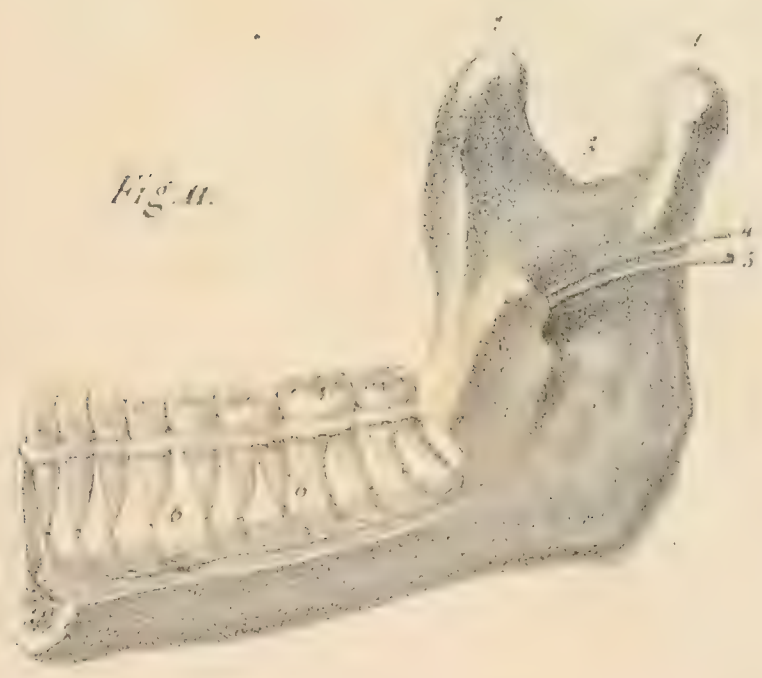


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Fig. 1



Fig. 2



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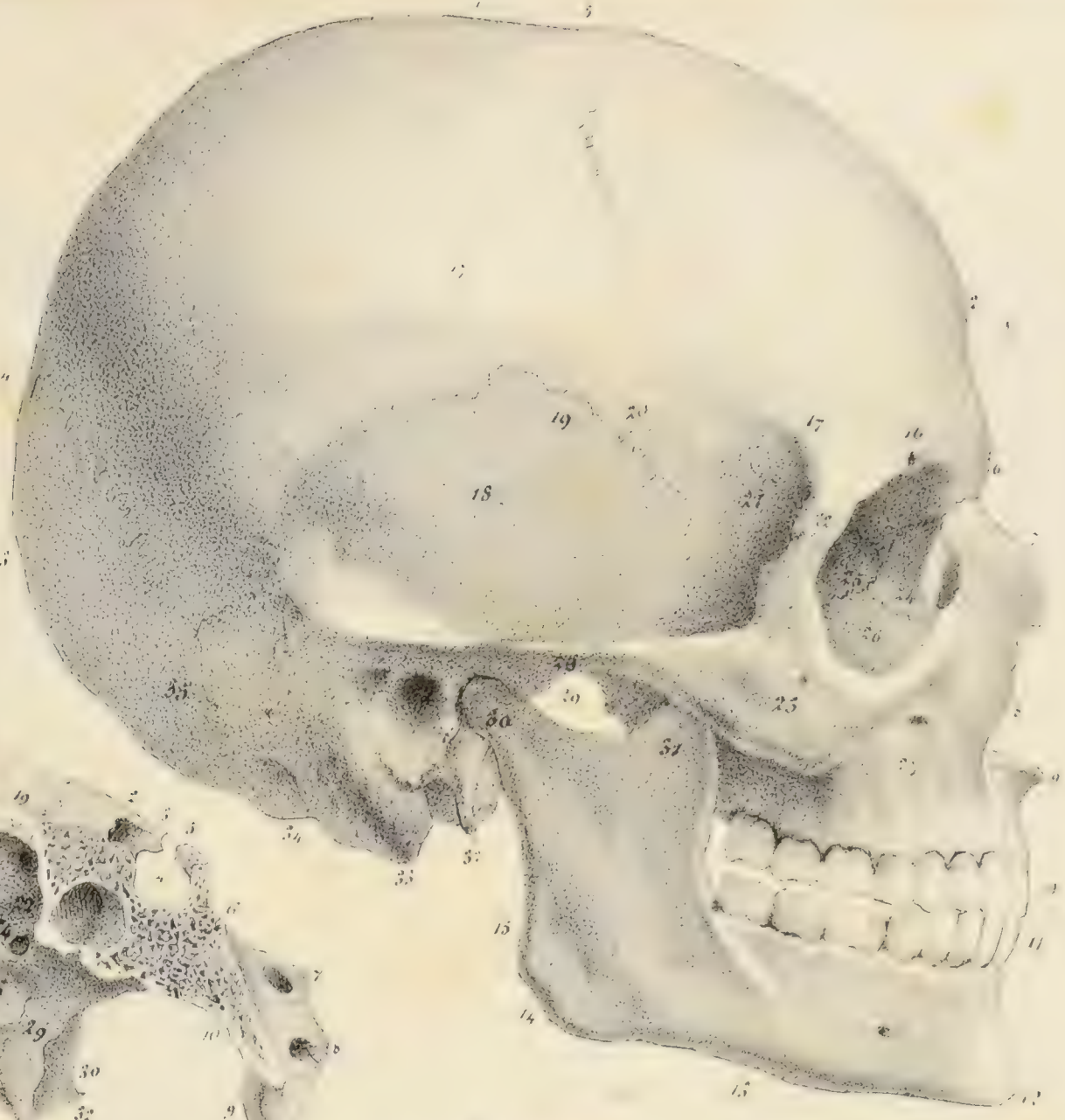


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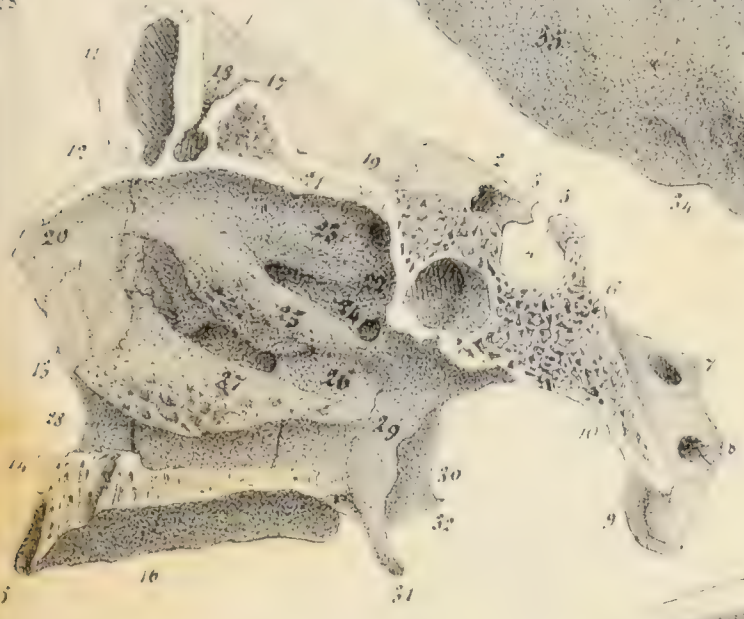


Fig. 2.



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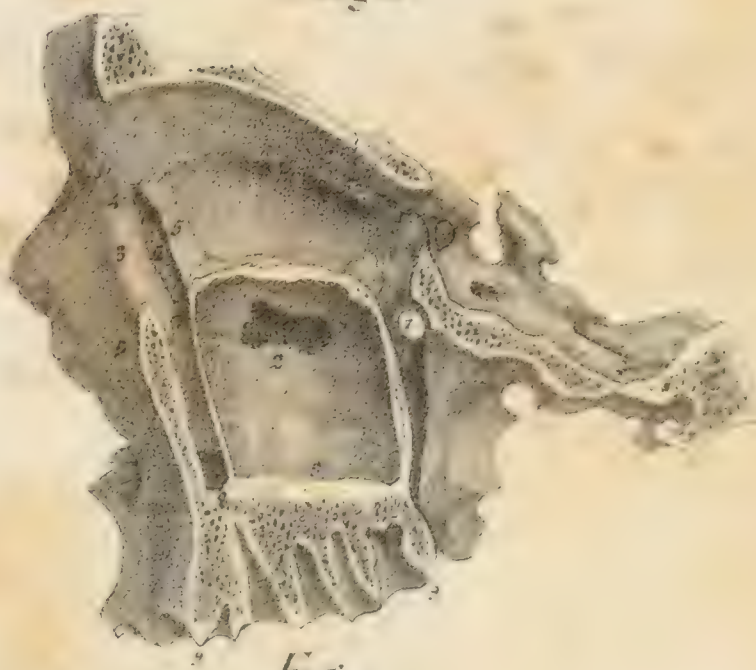


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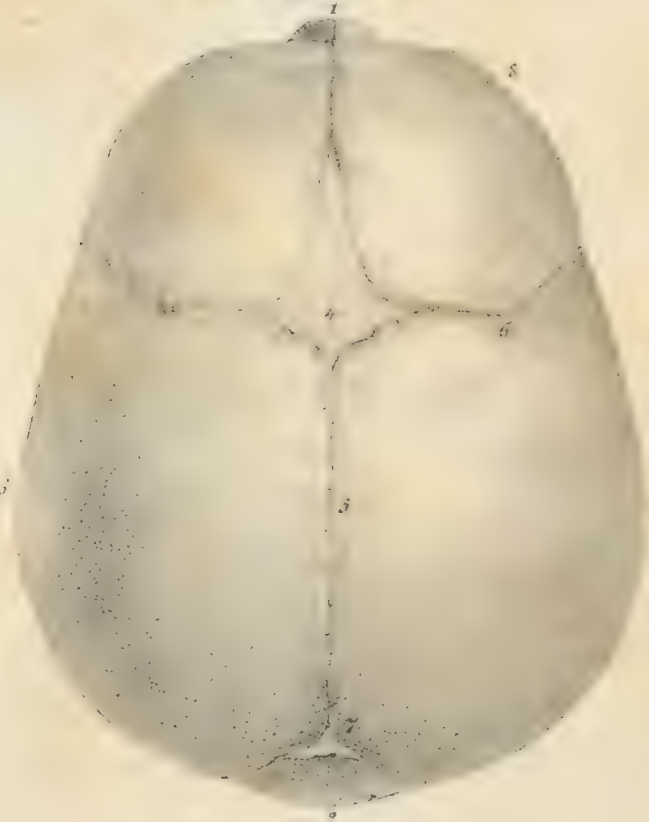


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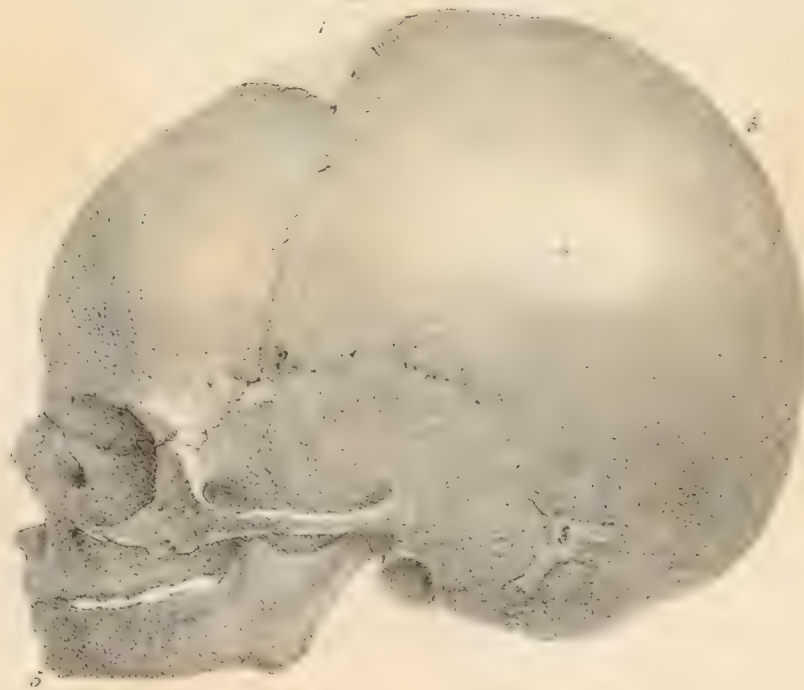




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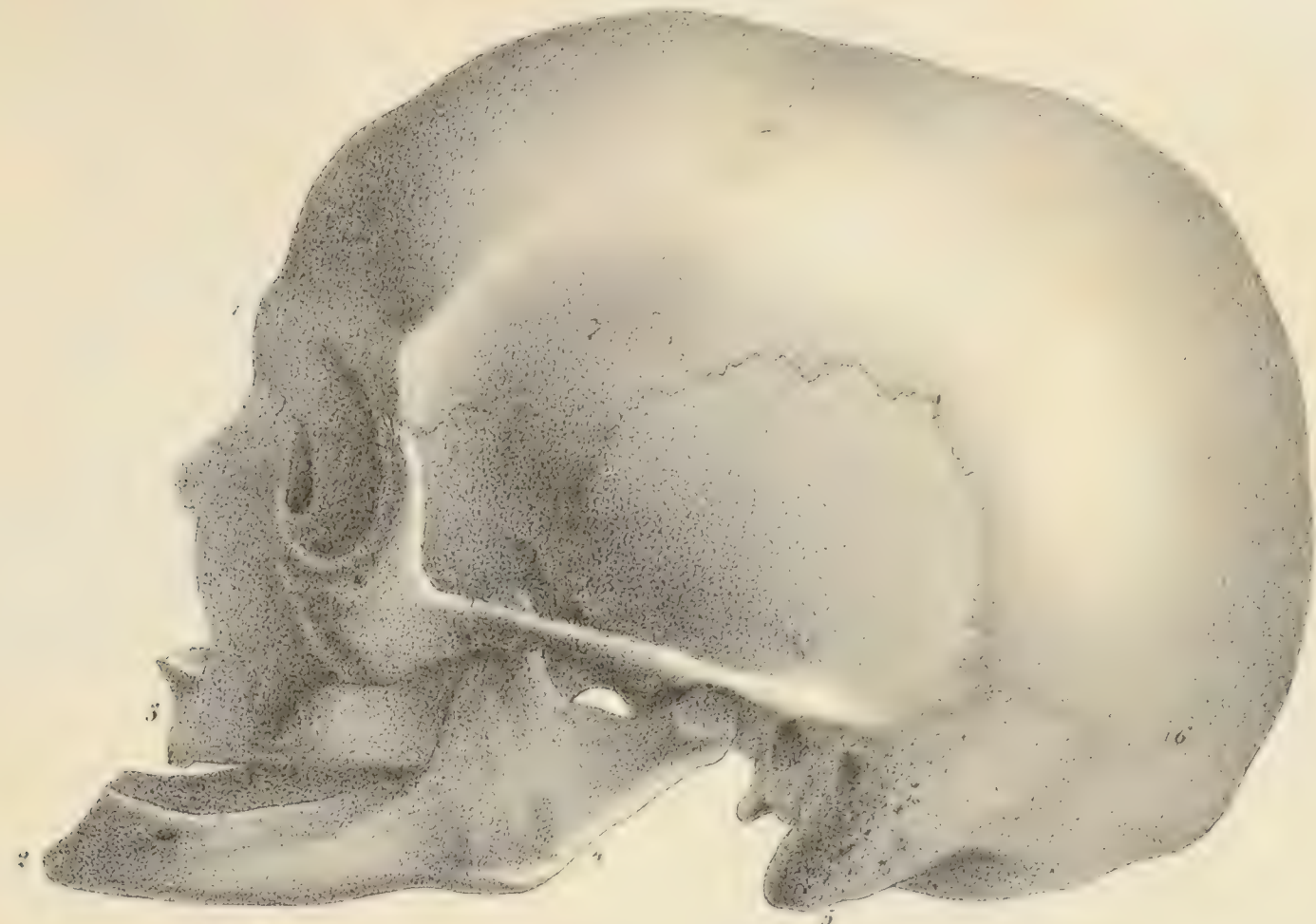


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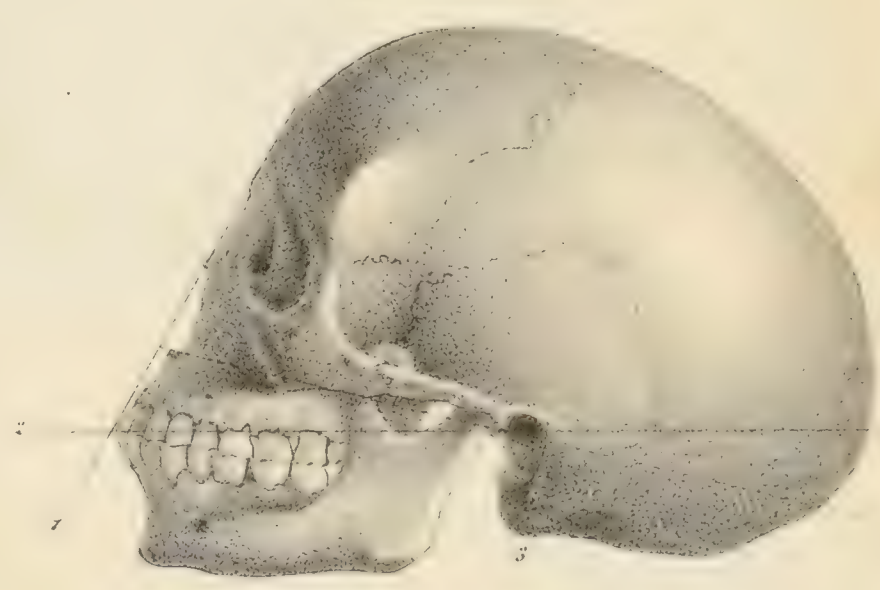


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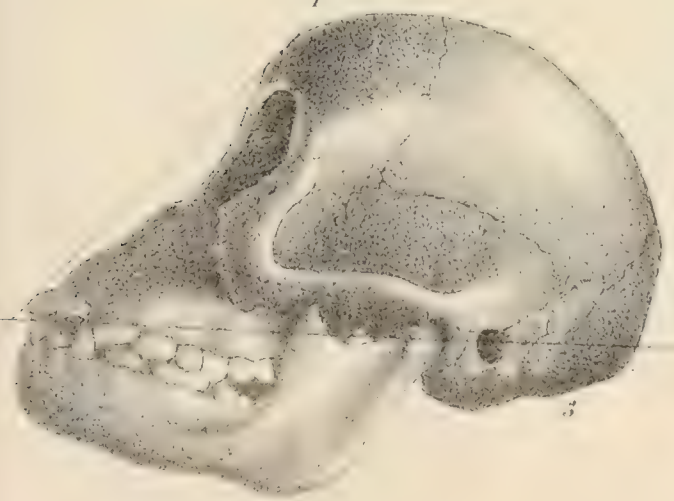


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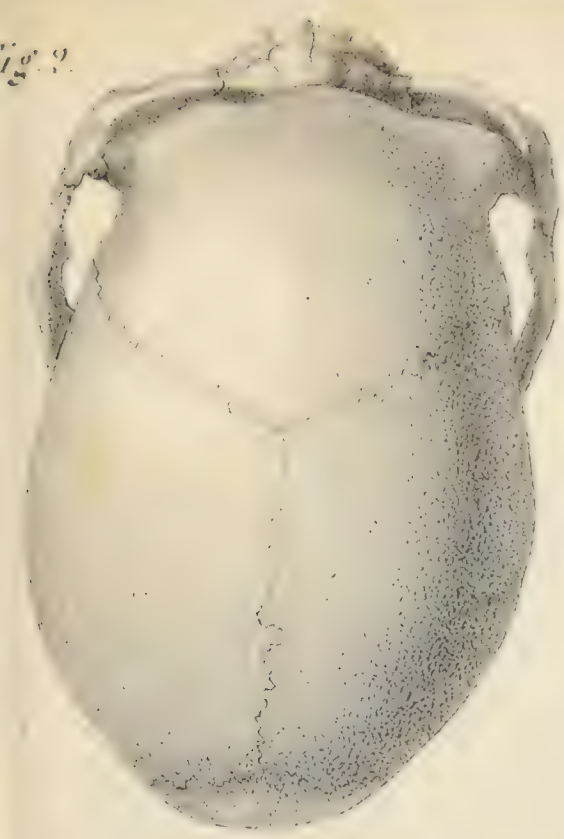


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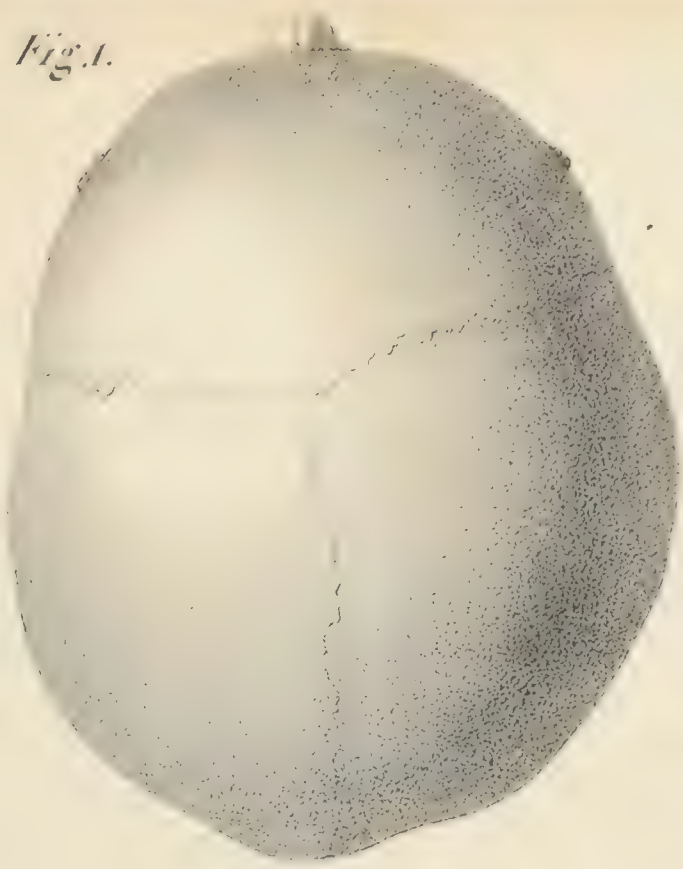


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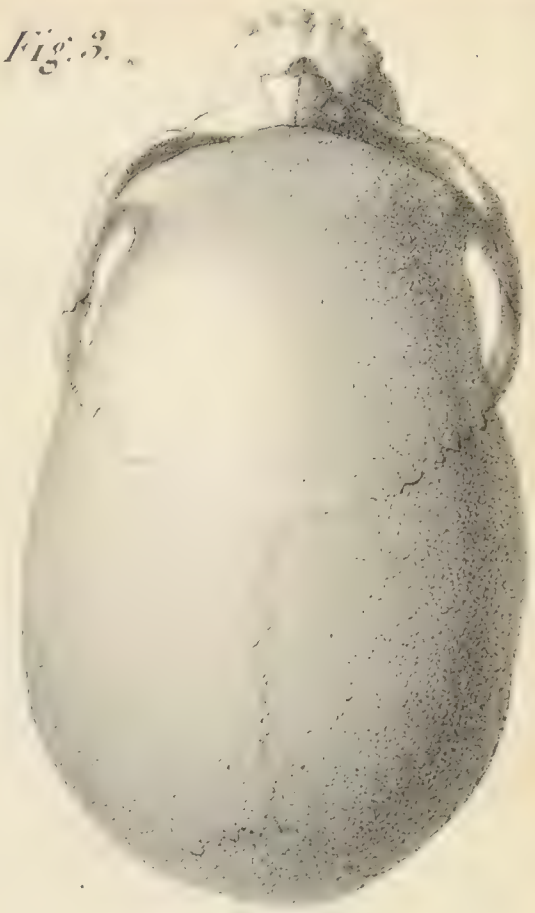


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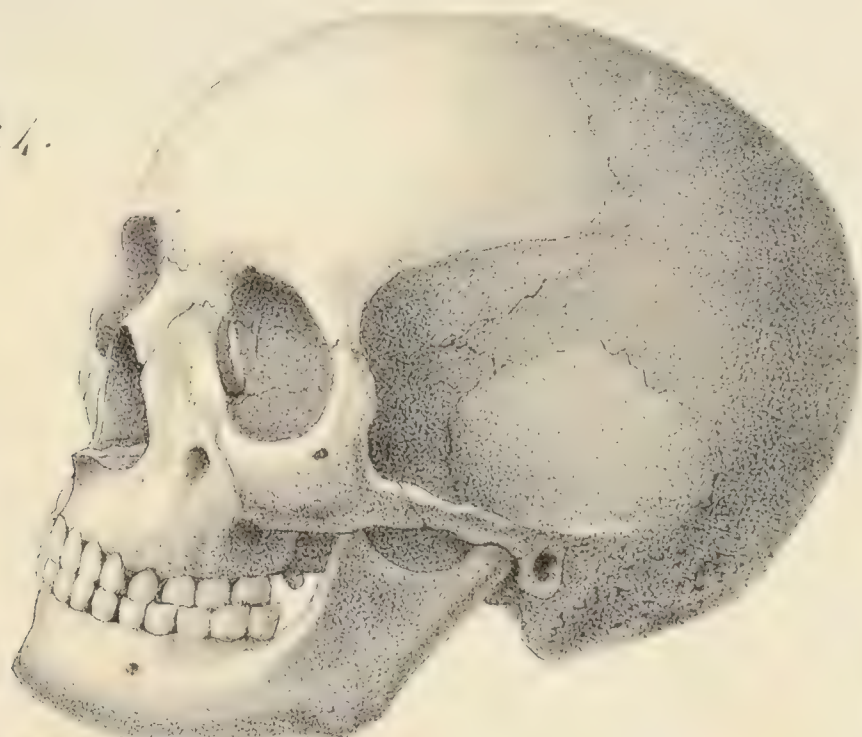


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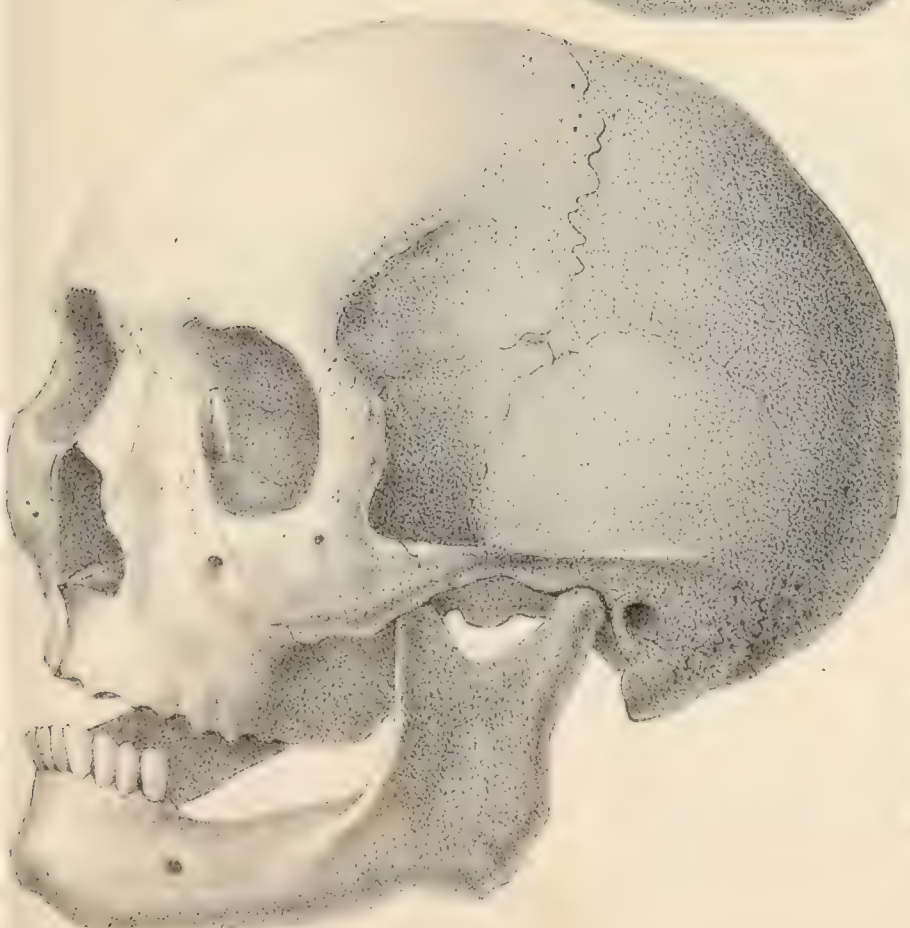


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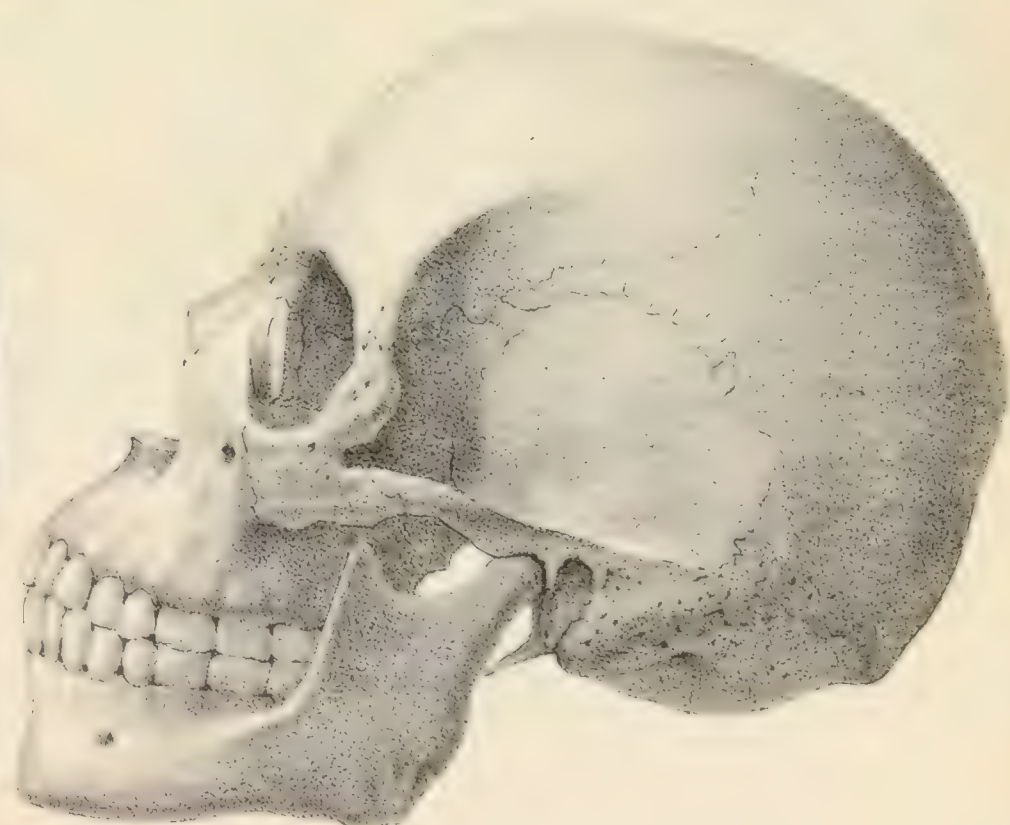


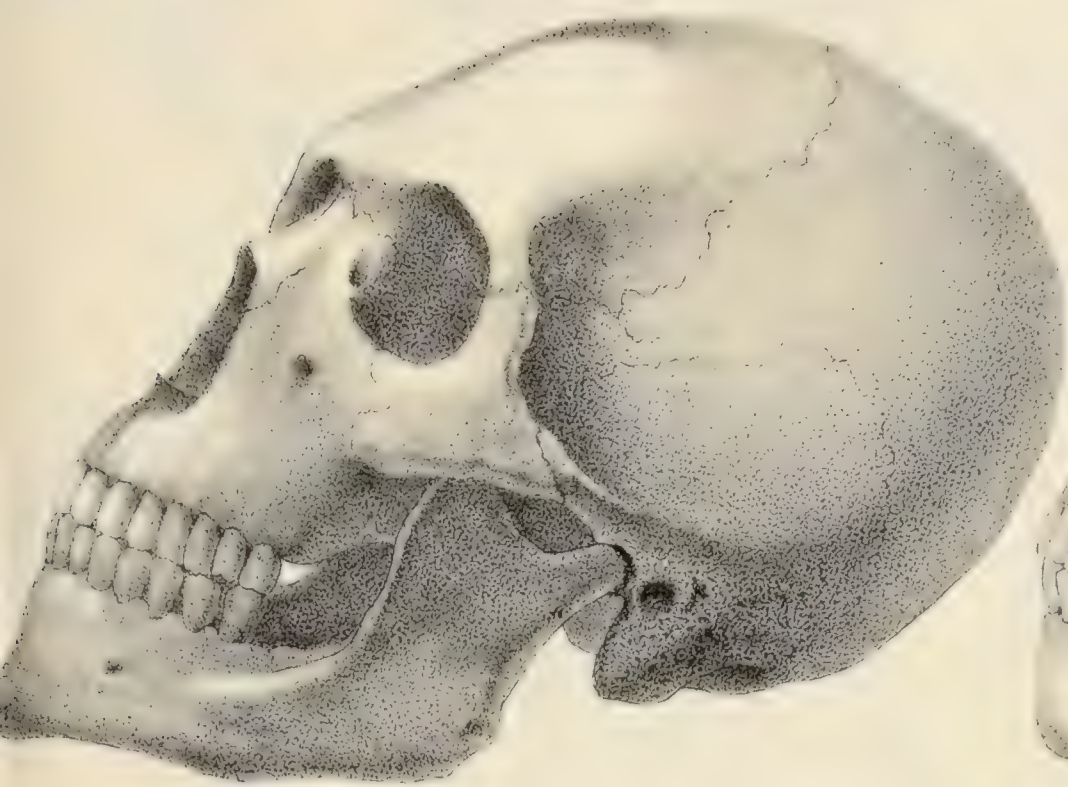
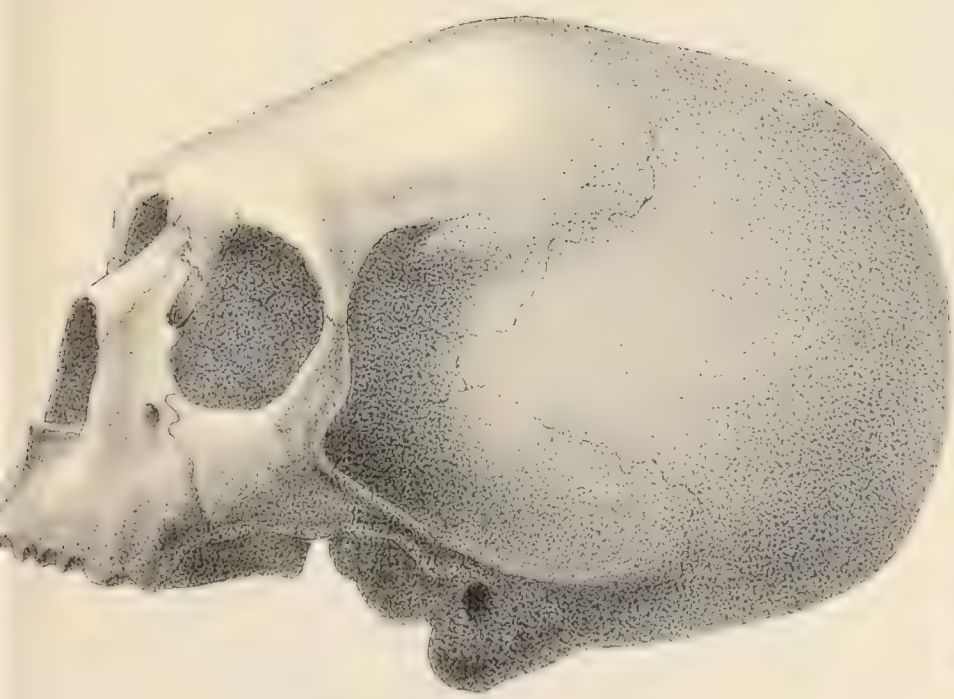
Fig. 1.*Fig. 3.**Fig. 2.**Fig. 4.*



Fig. 1.



Fig. 2.

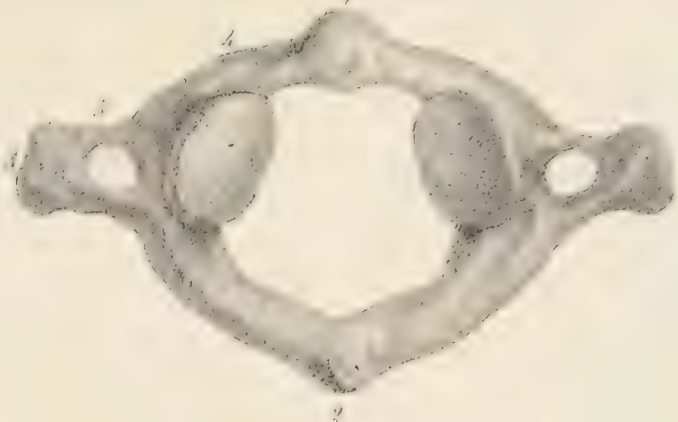


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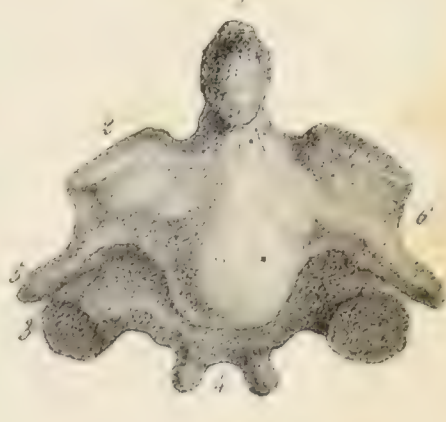


Fig. 4.



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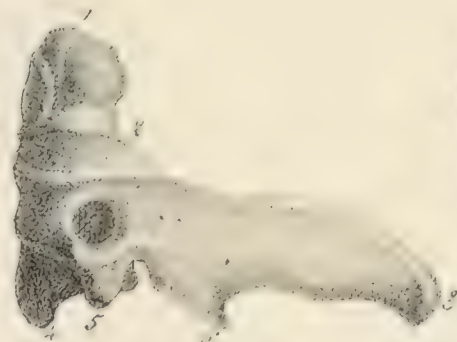


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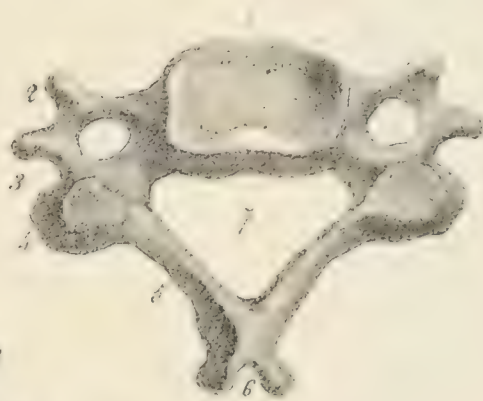


Fig. 7.

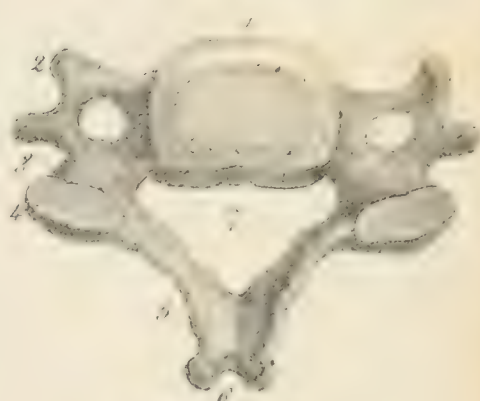


Fig. 8.



Fig. 9.



Fig. 10.

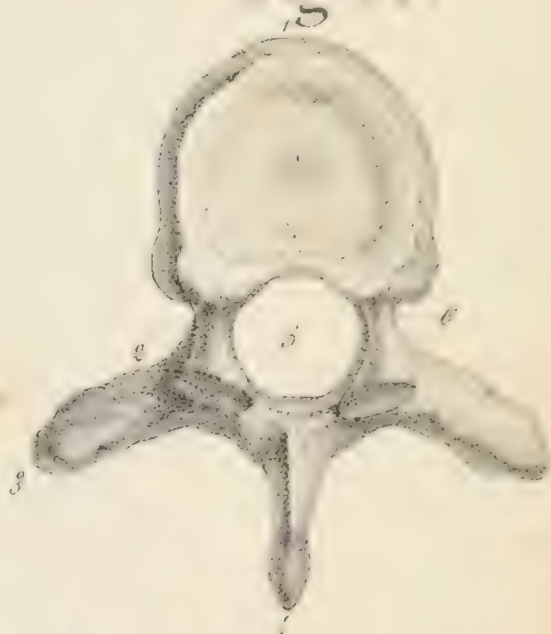


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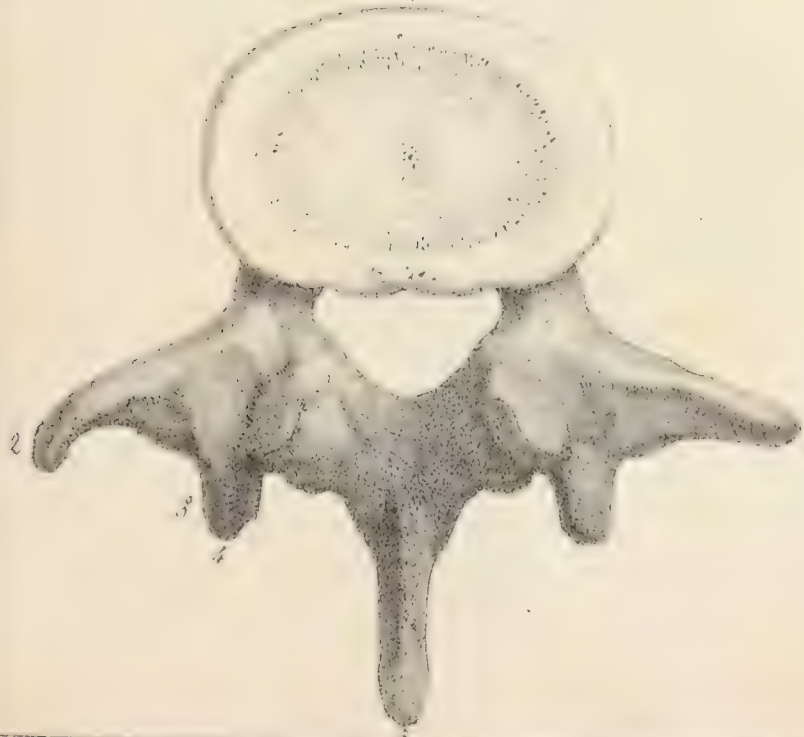


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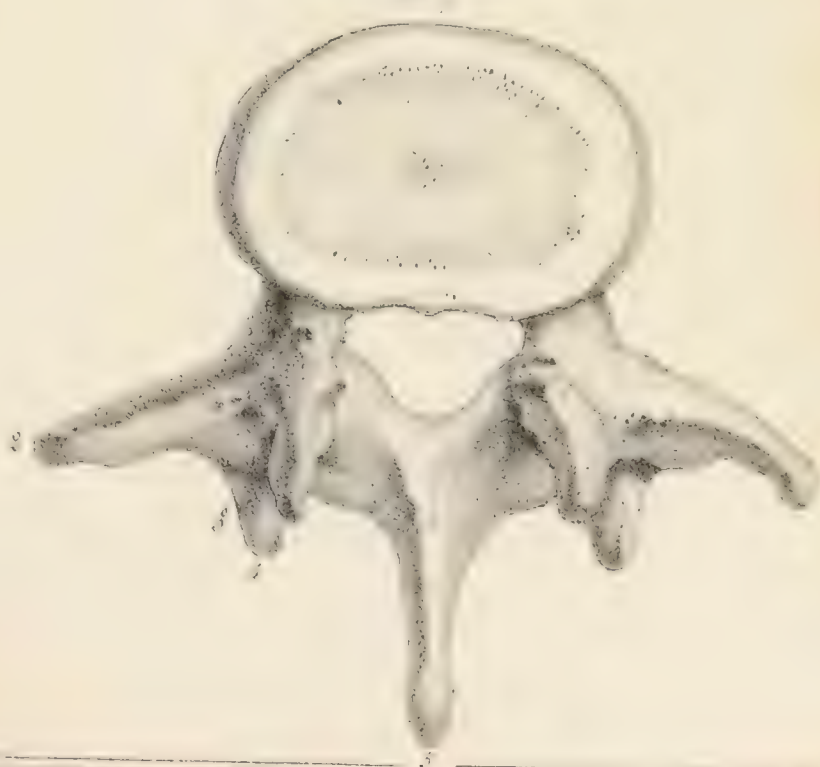


Fig. 1.

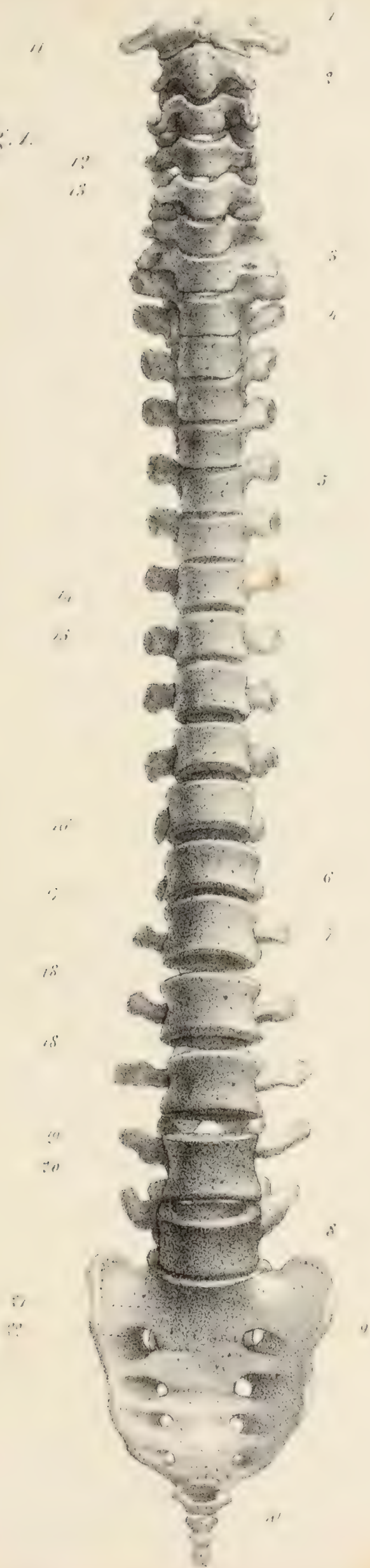


Fig. 2.



Fig. 1.

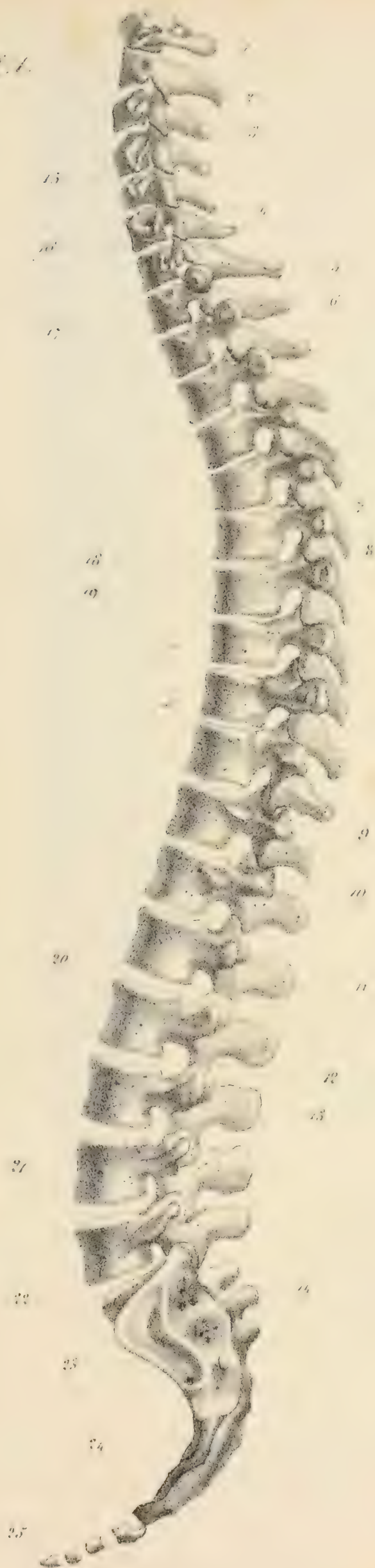


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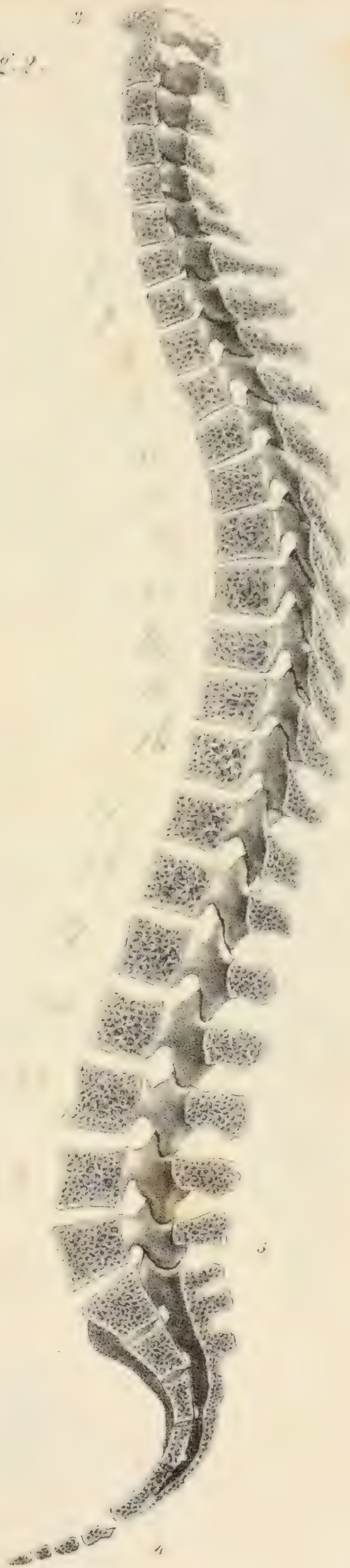


Fig. 1.



Fig. 2.



Fig. 3.

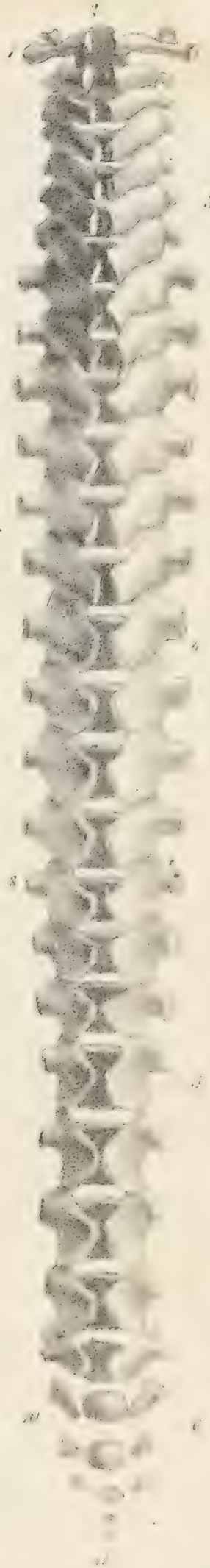


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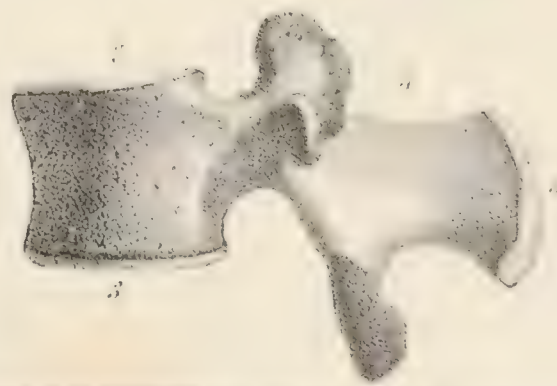


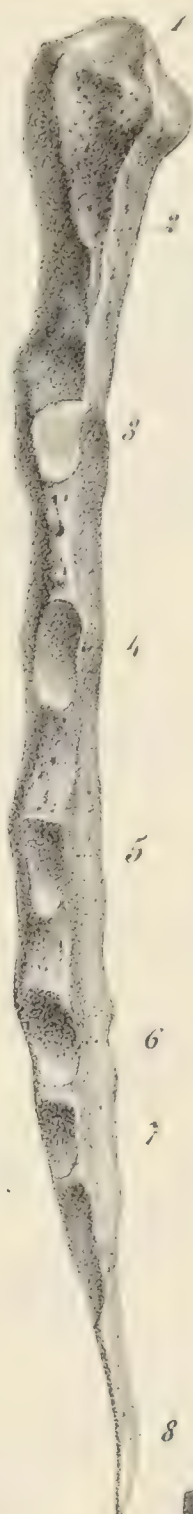
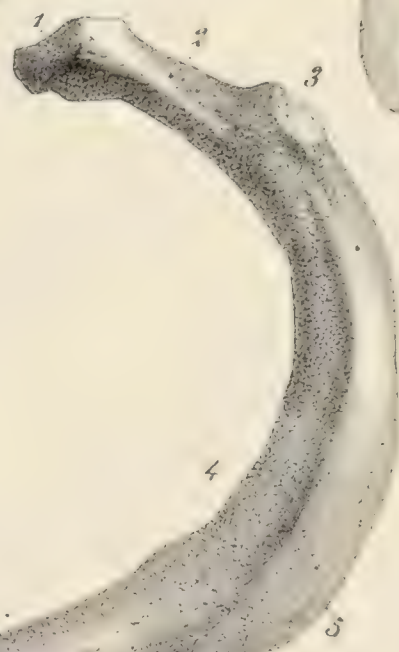
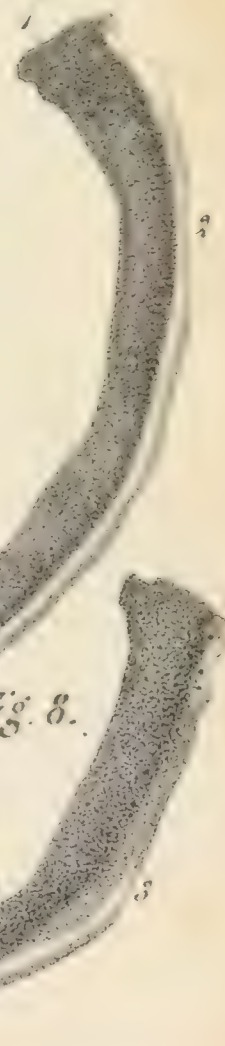
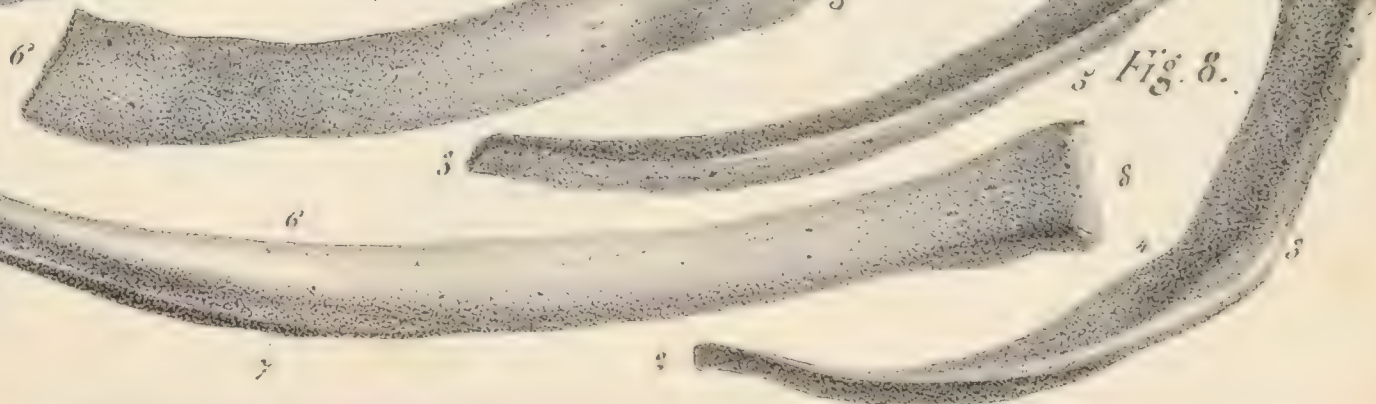
Fig. 1.*Fig. 3.**Fig. 2.**Fig. 6.**Fig. 4.**Fig. 5.**Fig. 7.**Fig. 9.**Fig. 8.*

Fig. 1.

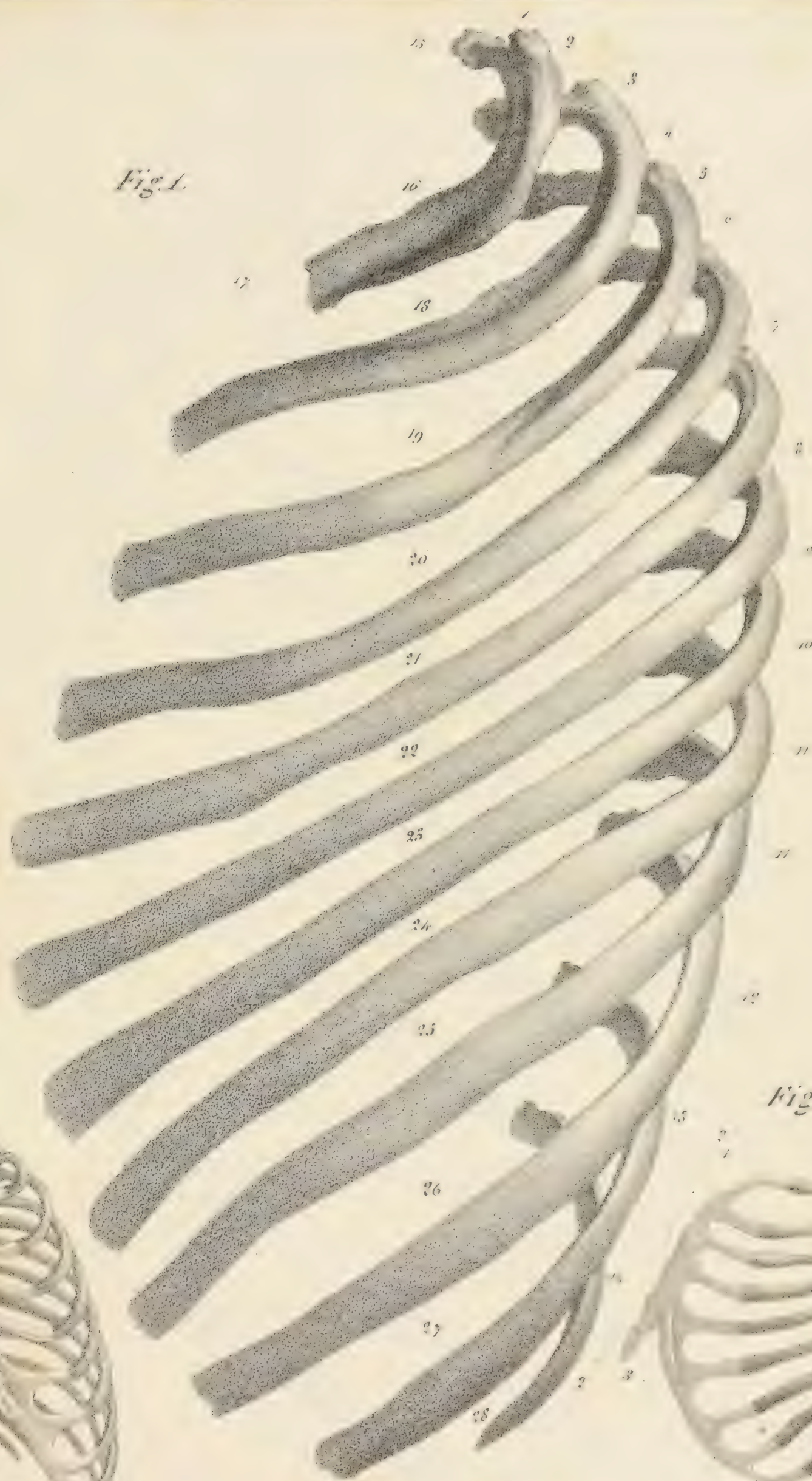


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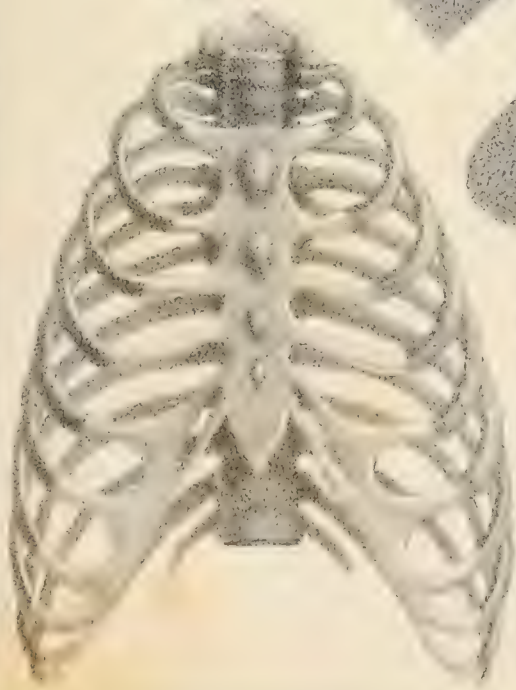
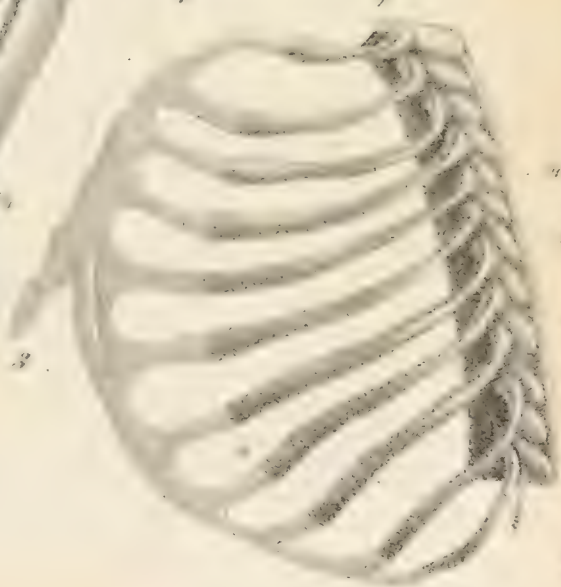
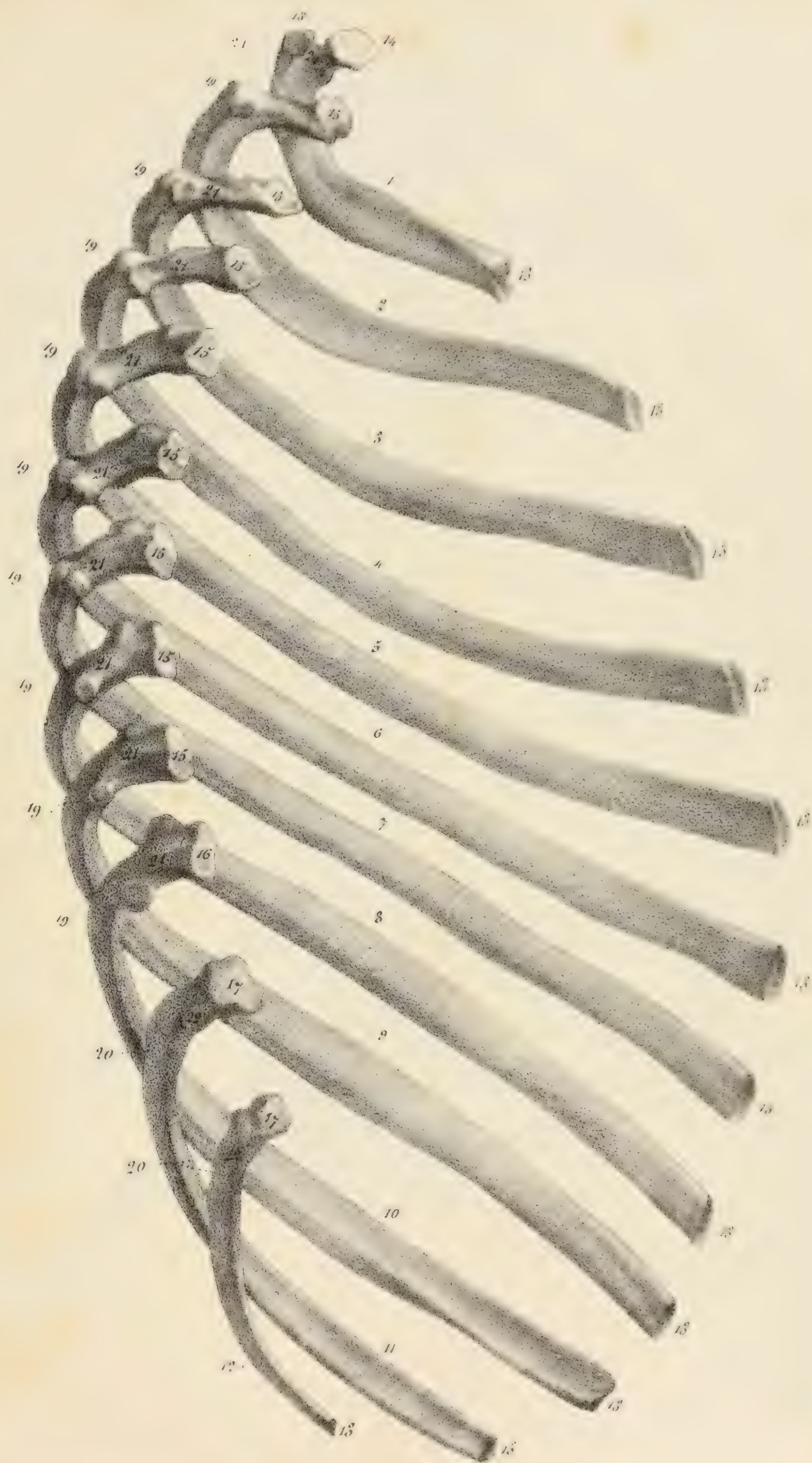
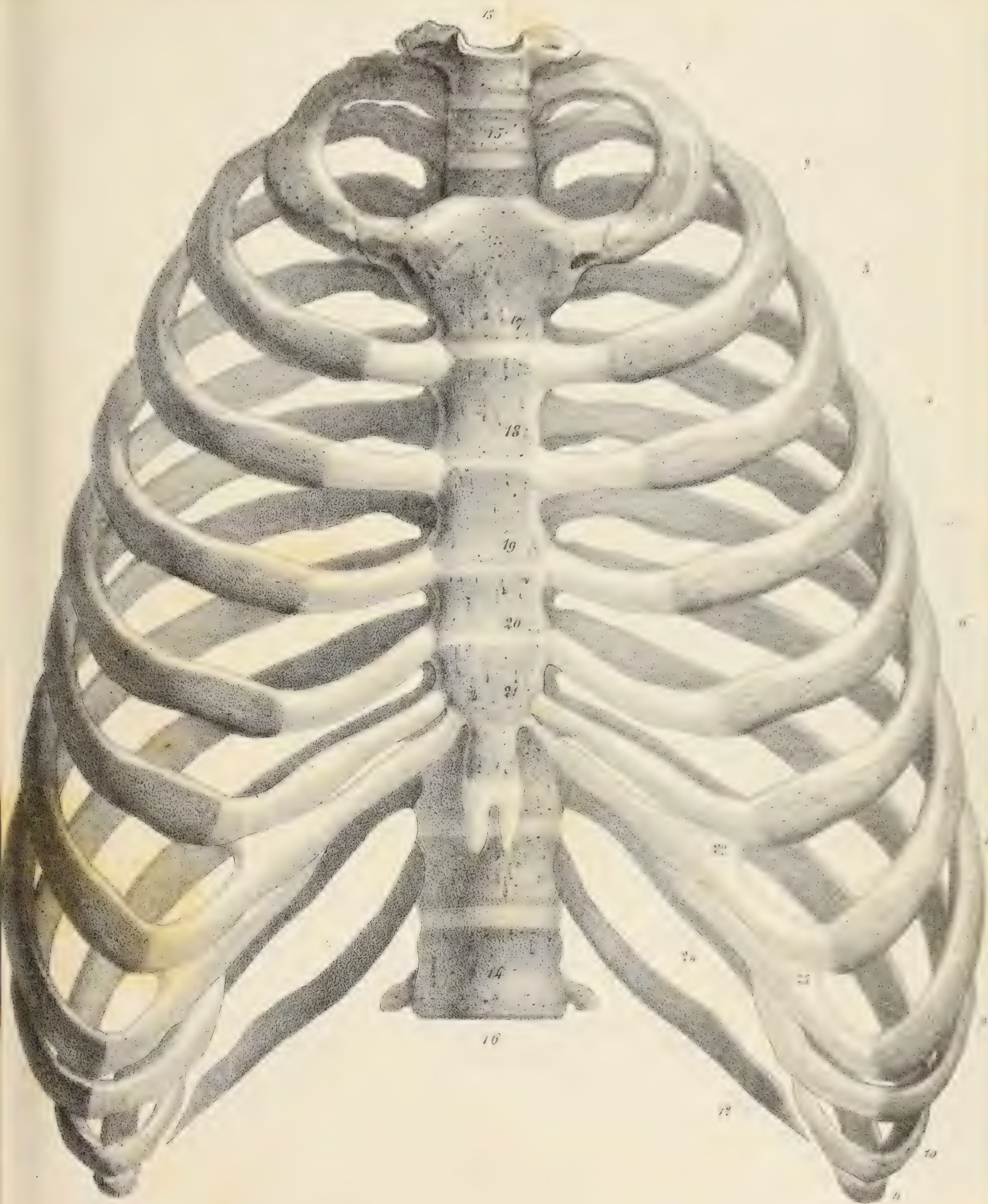


Fig. 3.







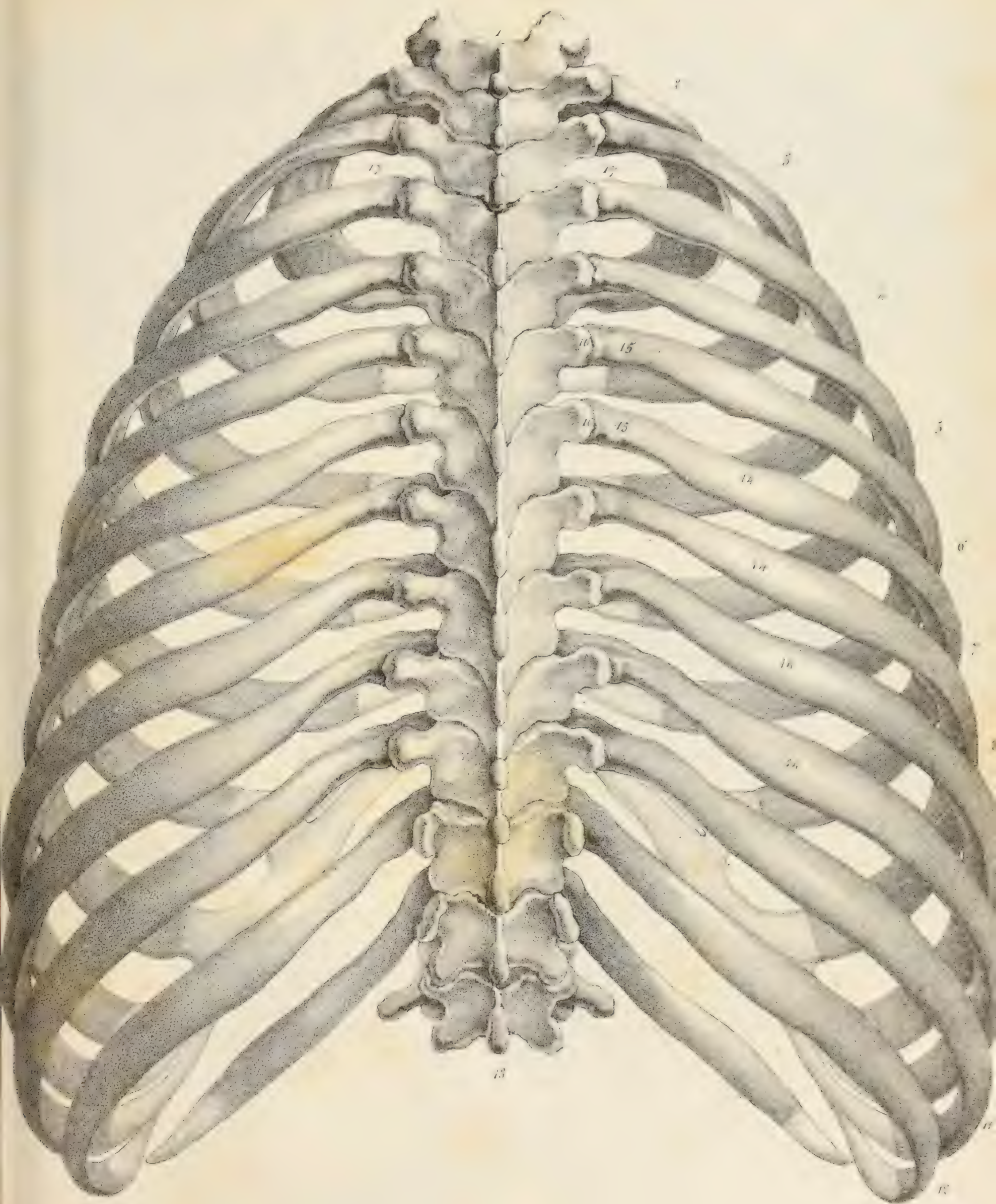


Fig. 2.



Fig. 1.

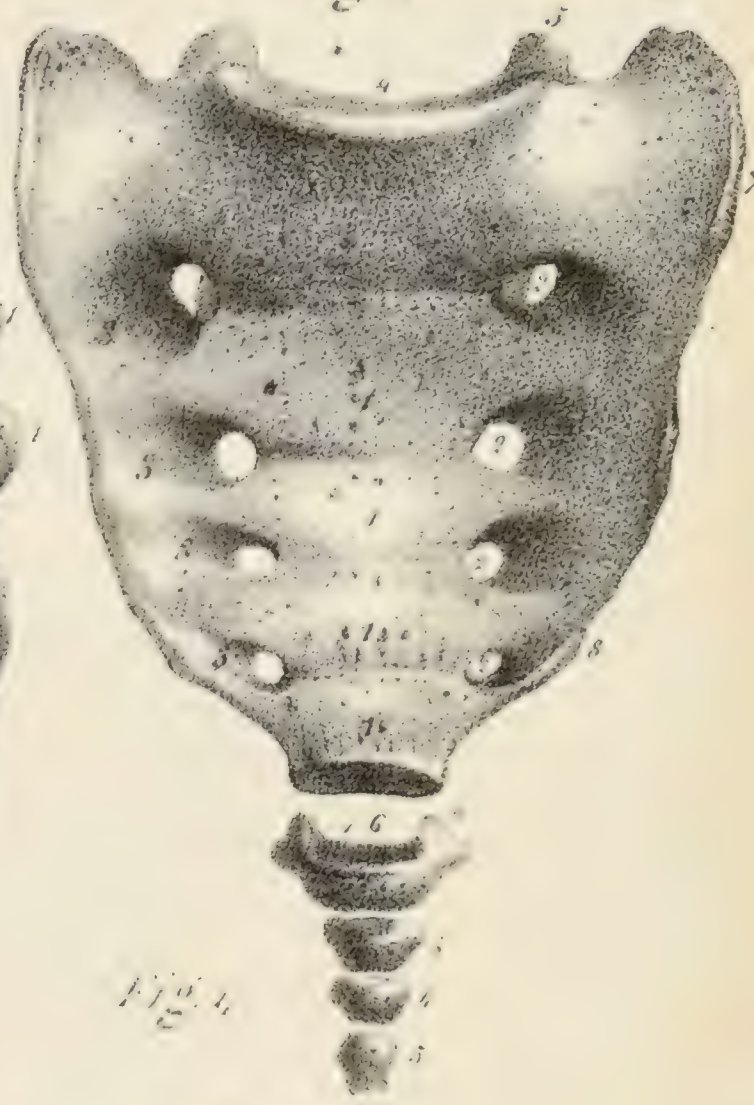


Fig. 3.



Fig. 5.



Fig. 4.



Fig. 6.

Fig. 8.

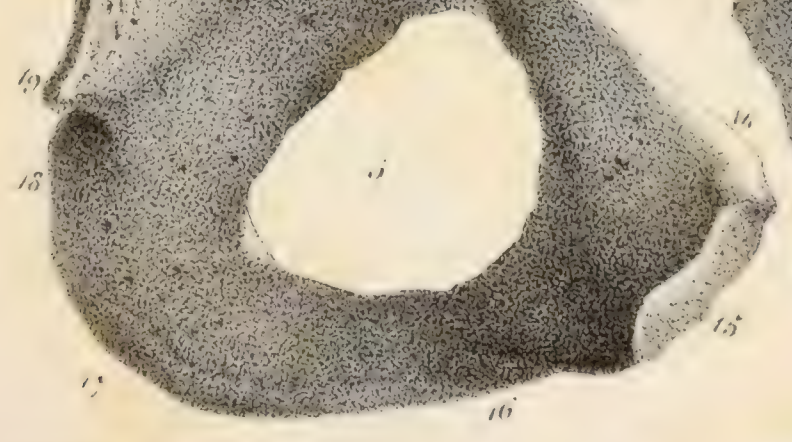


Fig. 7.



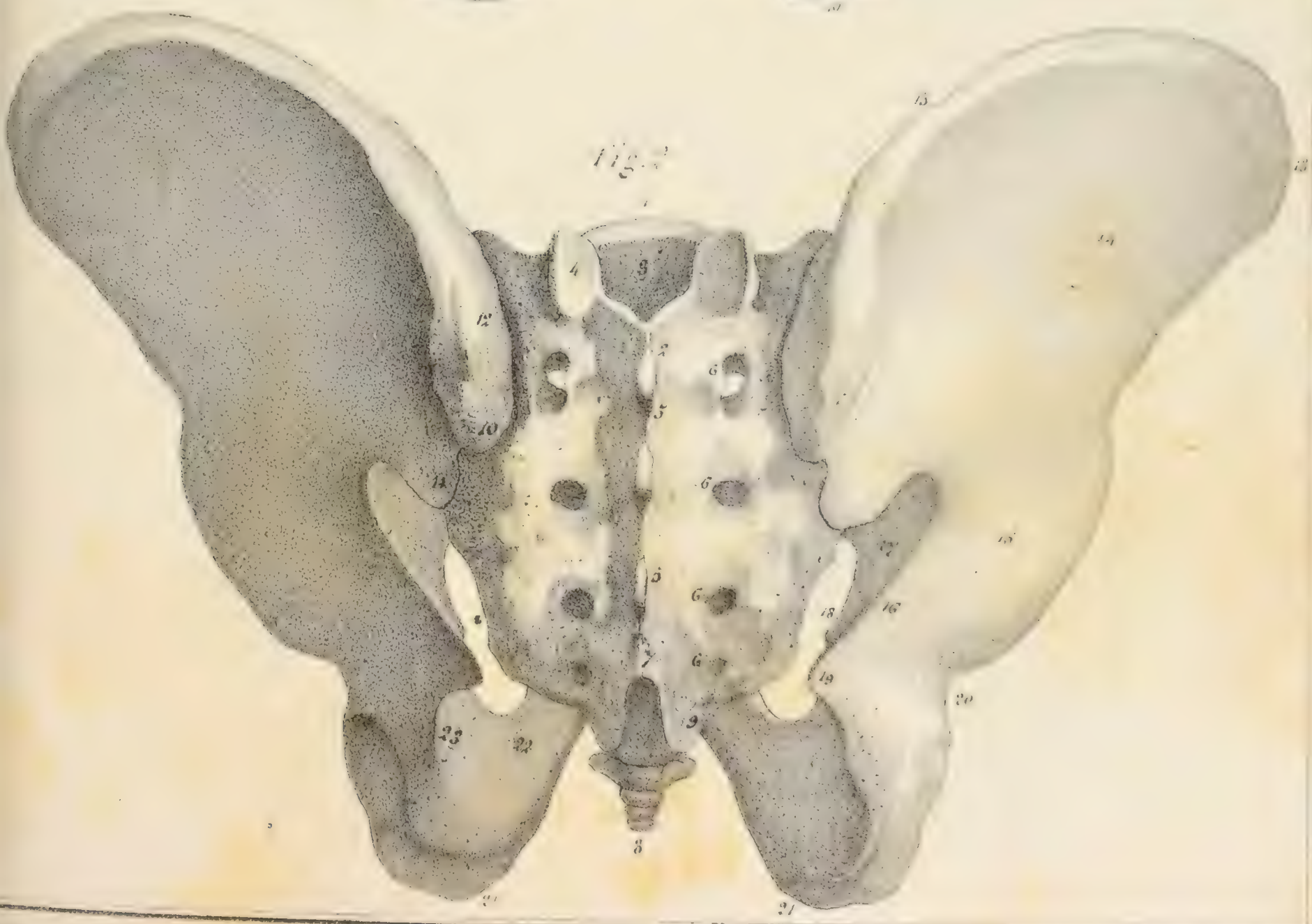
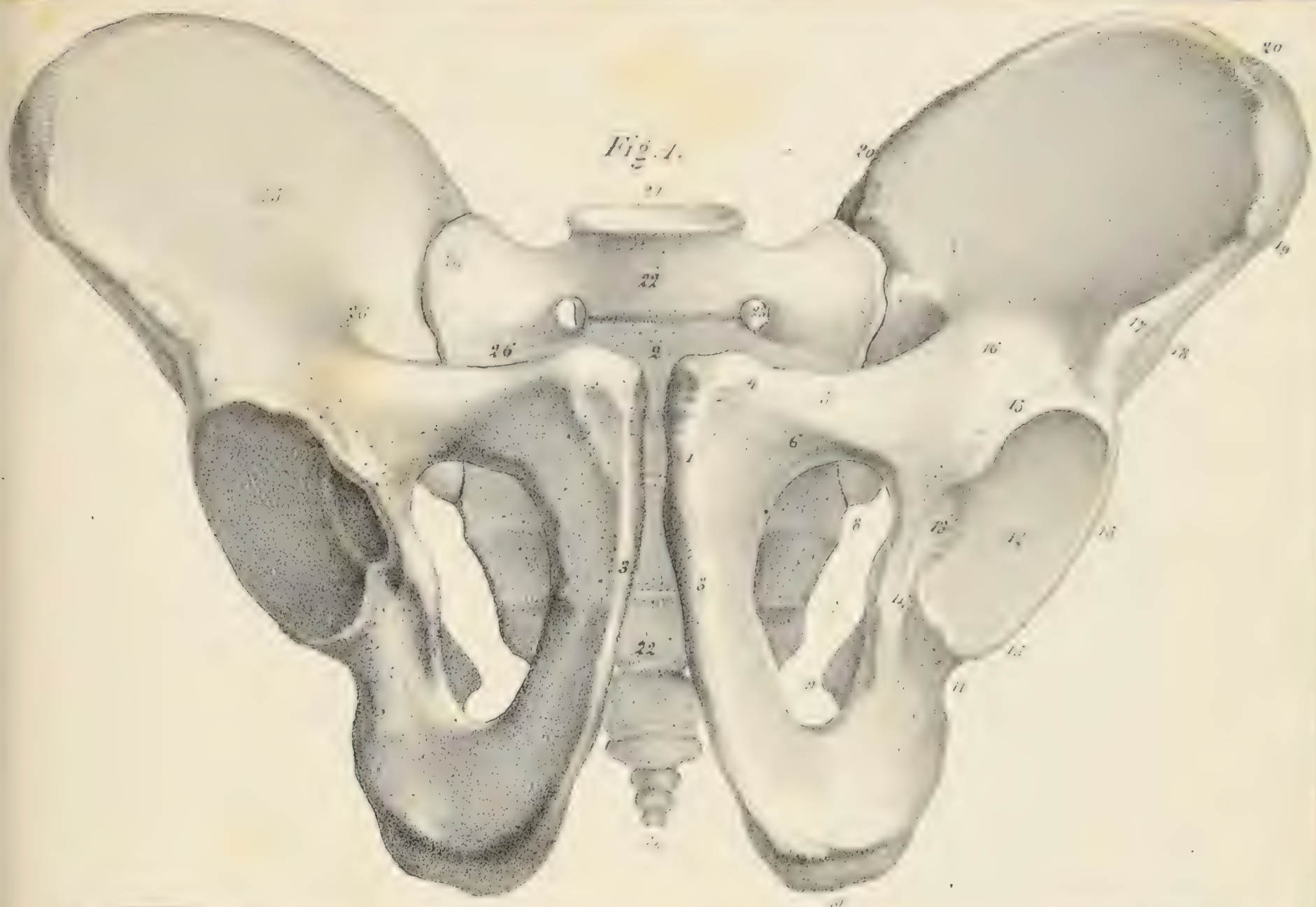


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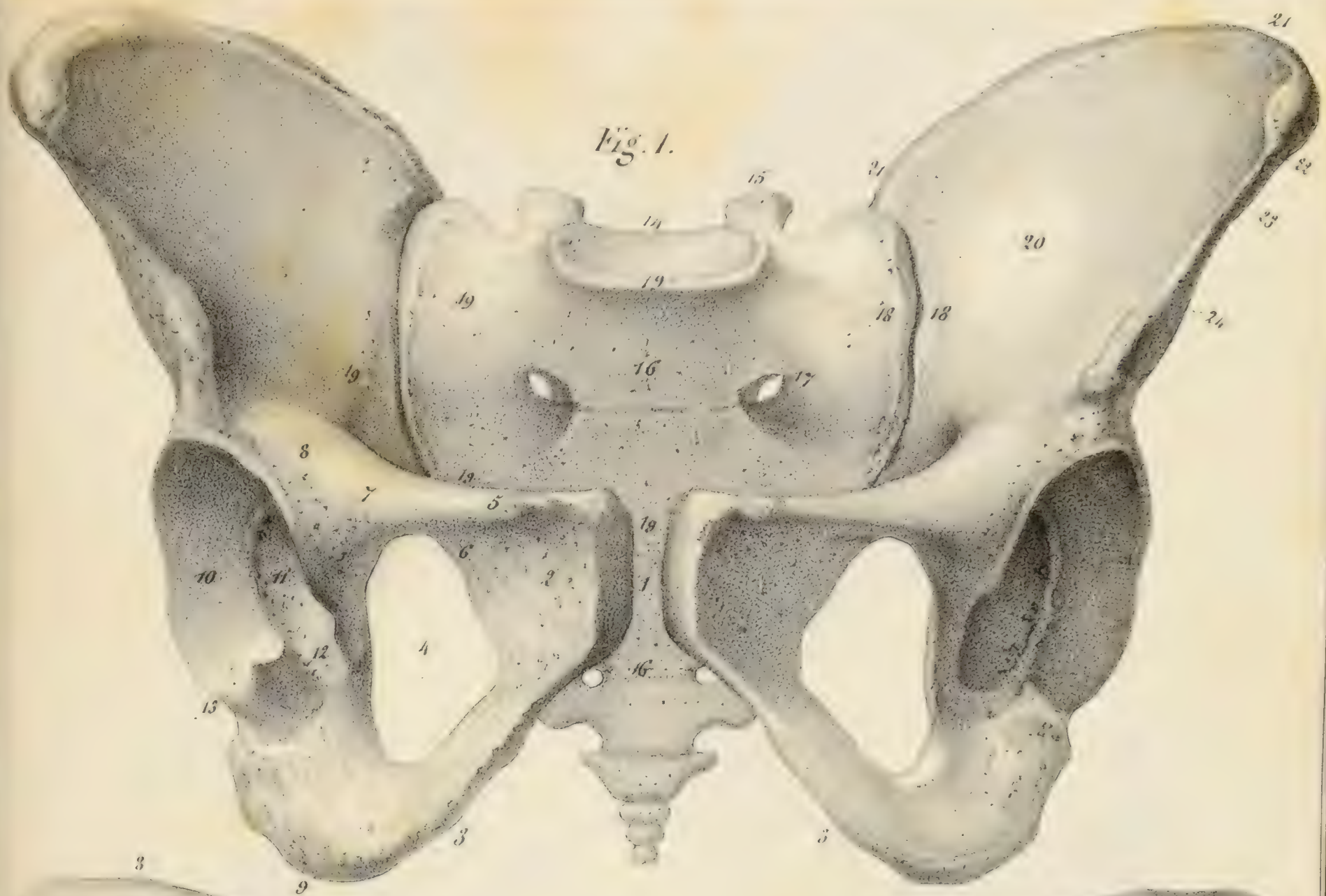


Fig. 2.



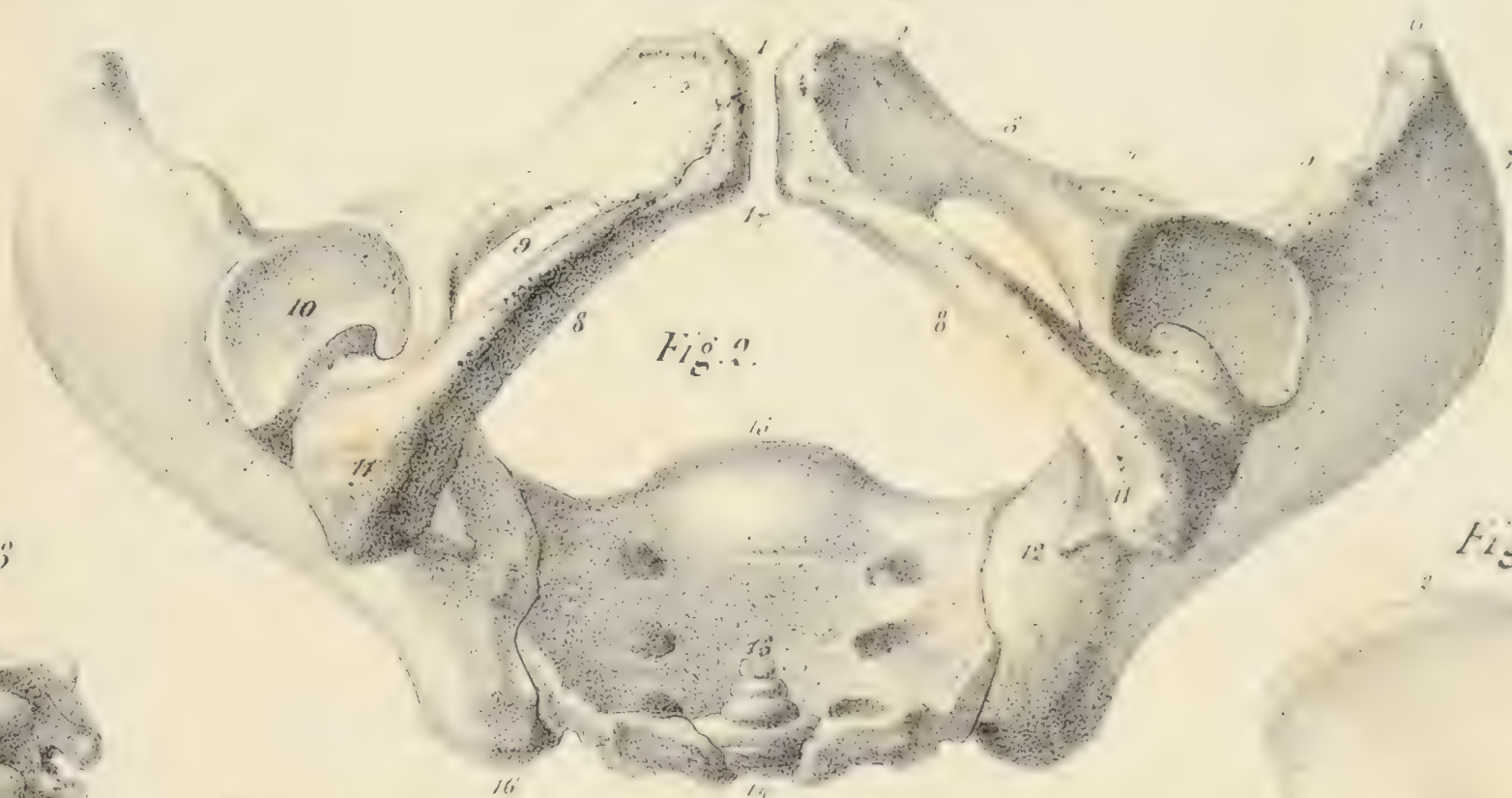


Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.

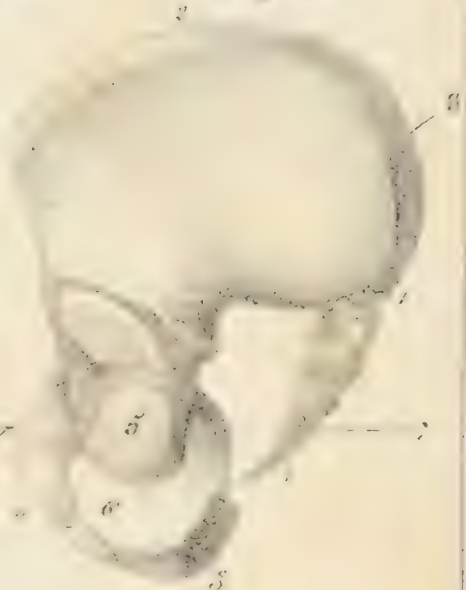


Fig. 2.



Fig. 6.



Fig. 3.

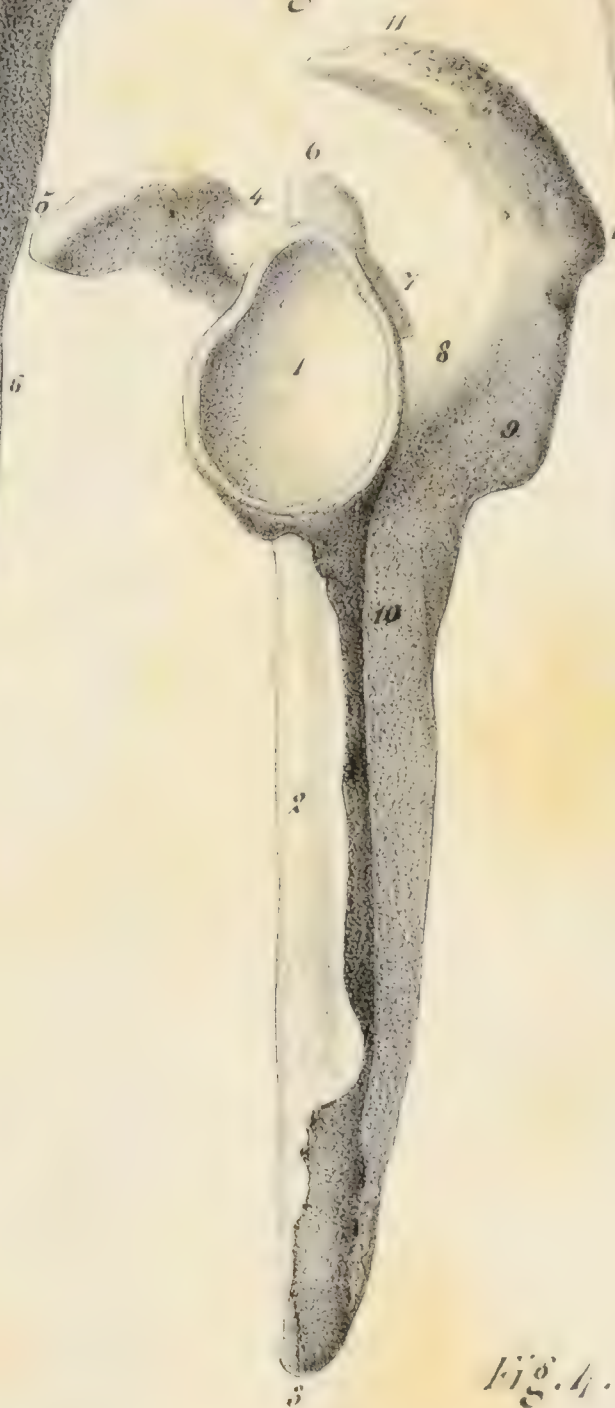


Fig. 1.



Fig. 8.



Fig. 7.



Fig. 4.

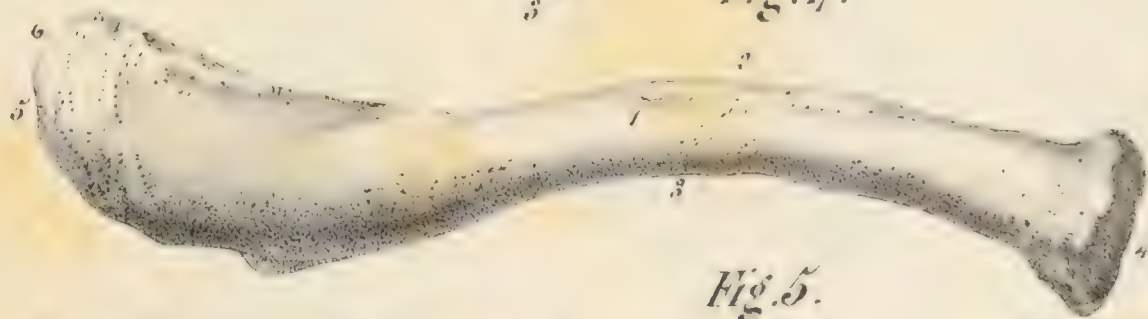


Fig. 5.

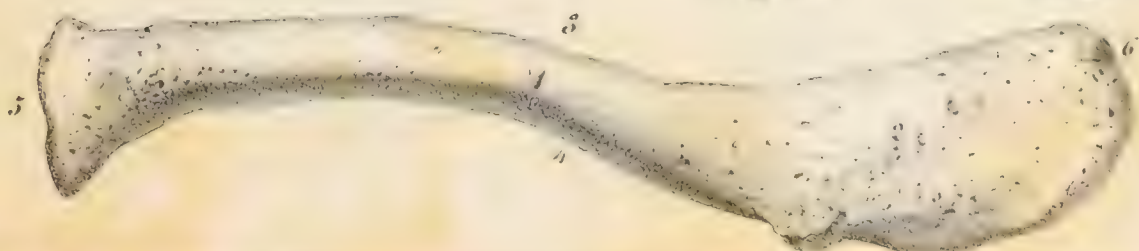




Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

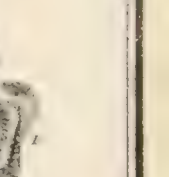
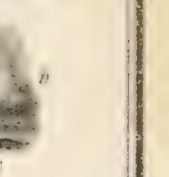
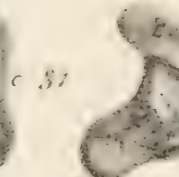
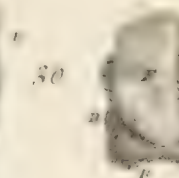
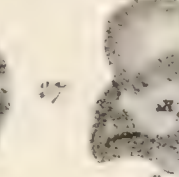
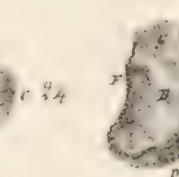
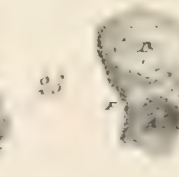
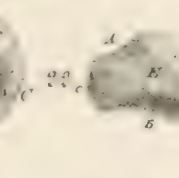
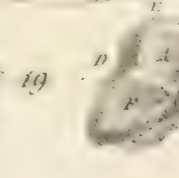
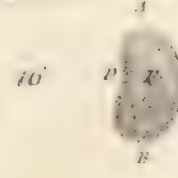
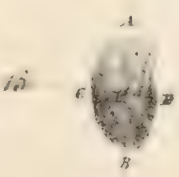
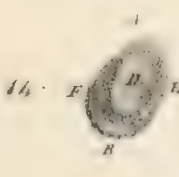
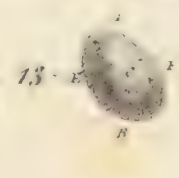
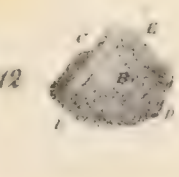
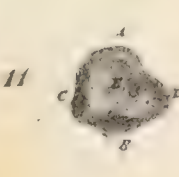
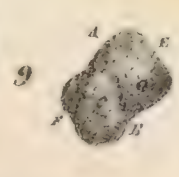
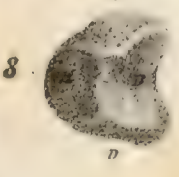
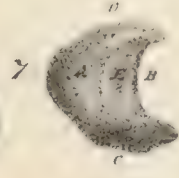
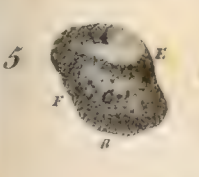
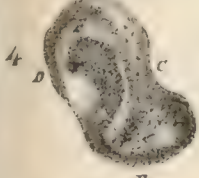
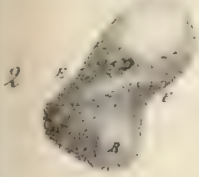
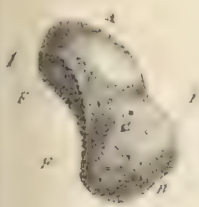
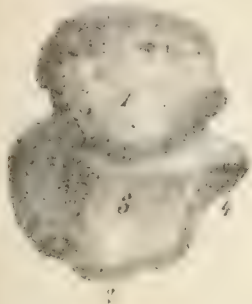
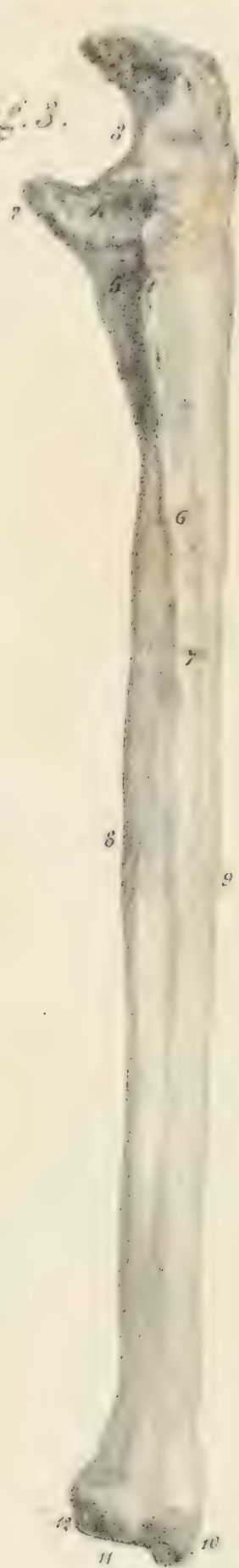
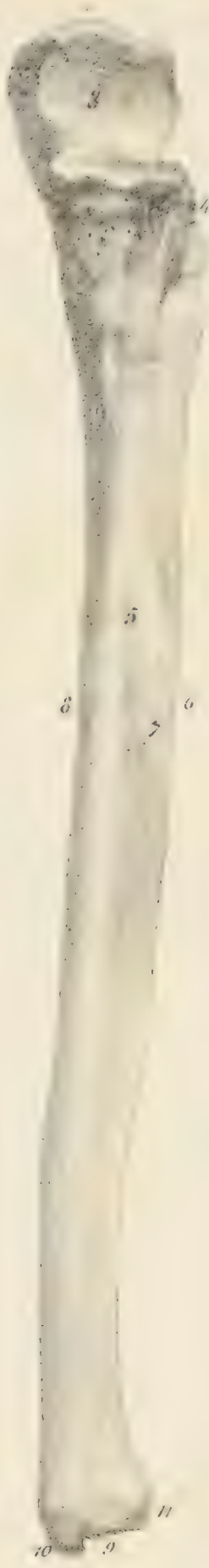
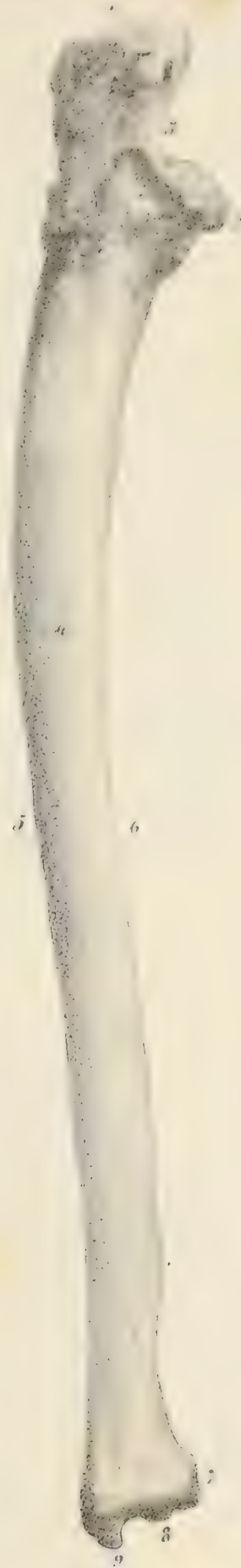


Fig. 6.

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.

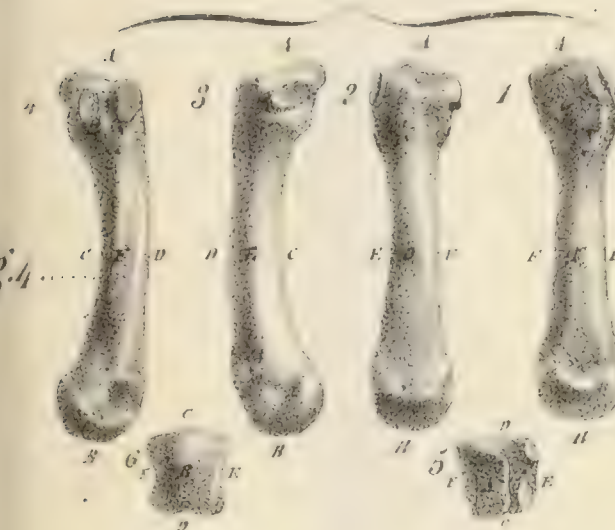


Fig. 5.



Fig. 6.

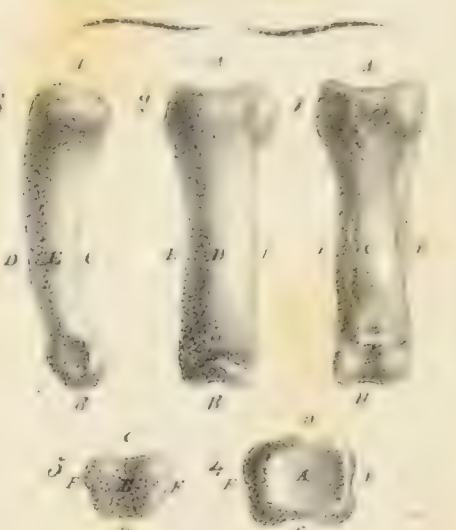


Fig. 7.



Fig. 10.

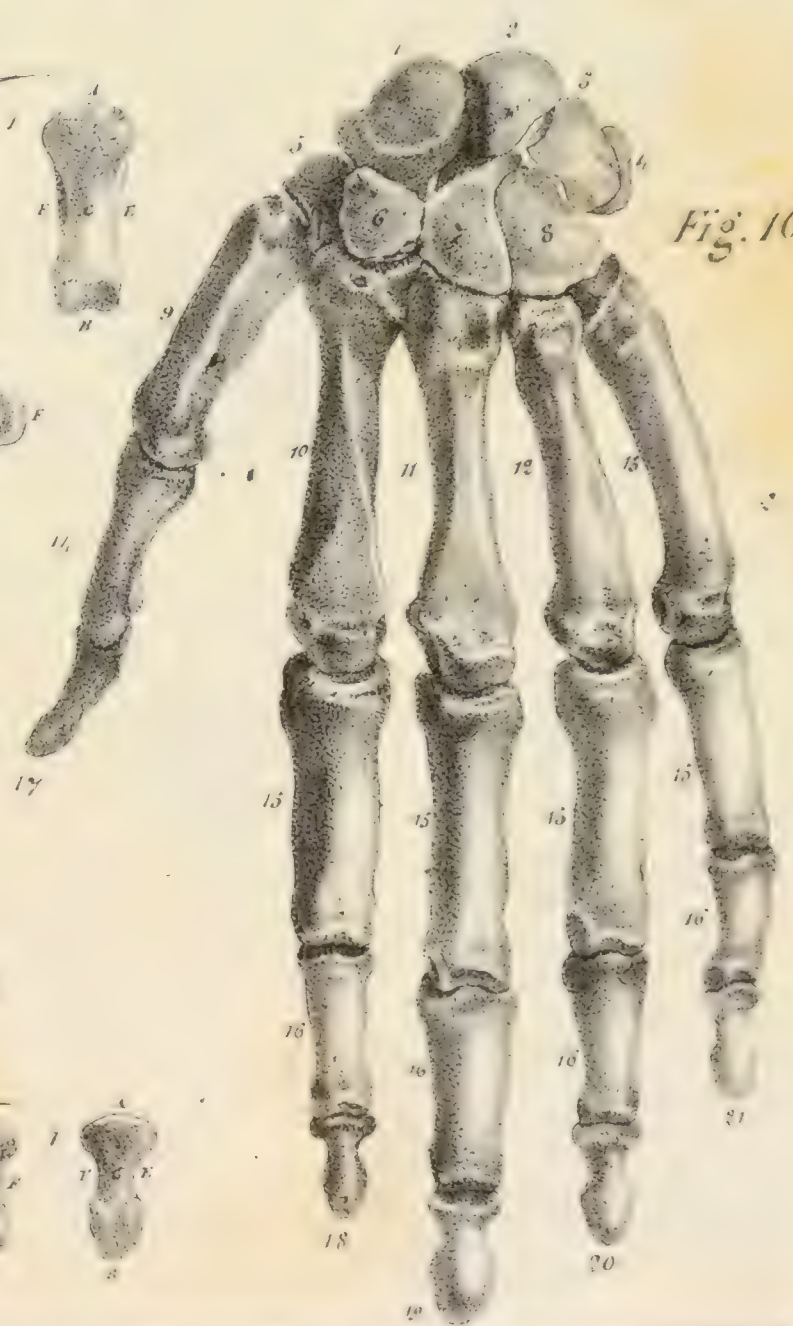


Fig. 11.

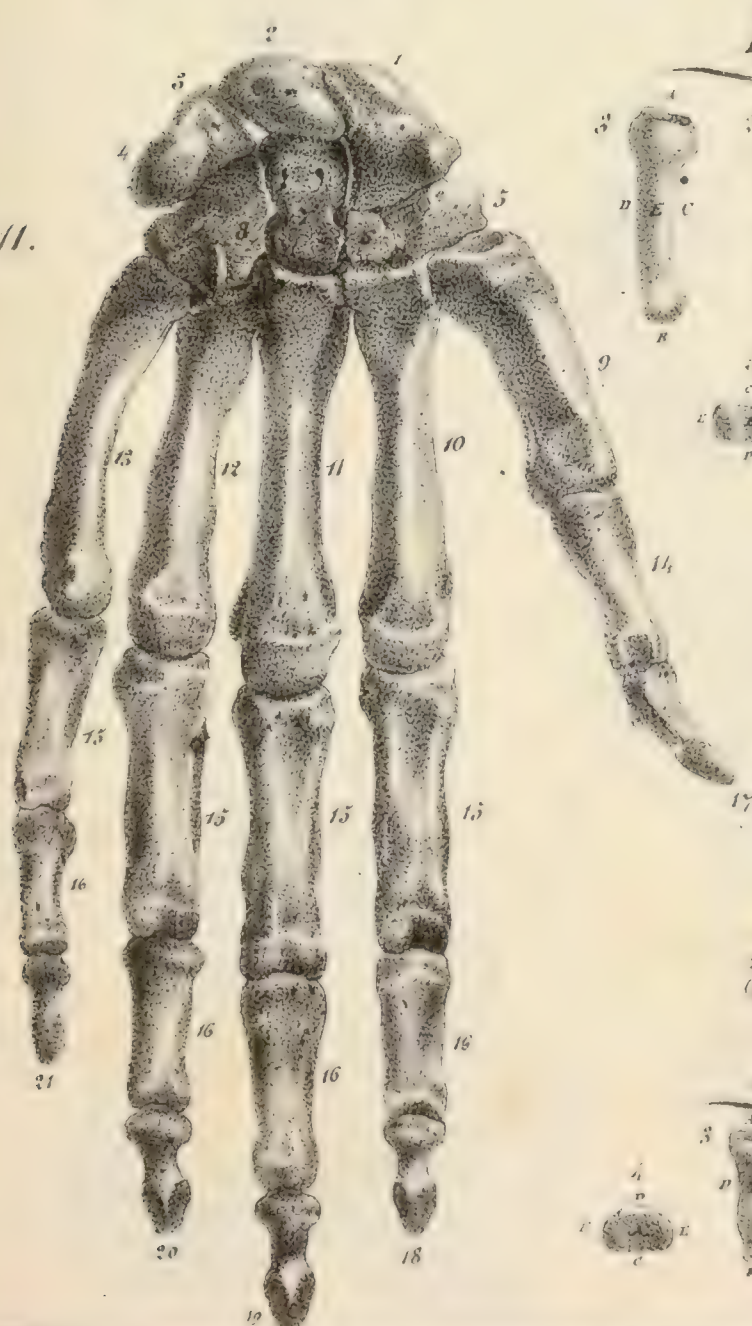


Fig. 9.



Fig. 8.

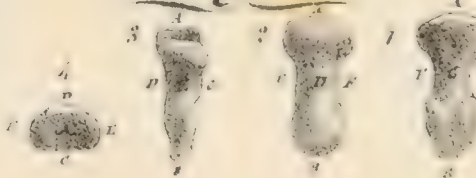




Fig. 2.

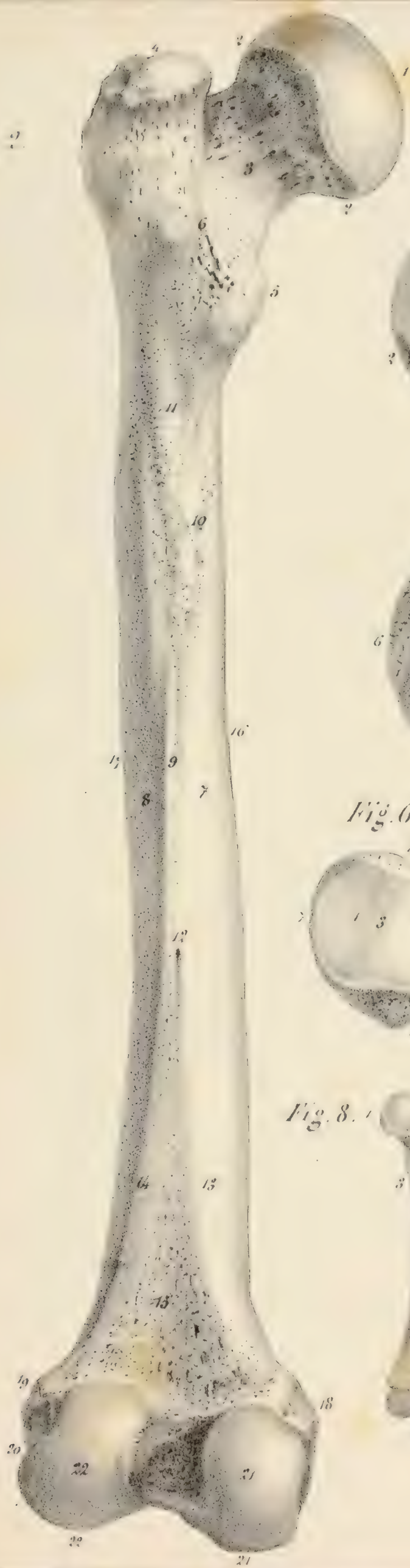


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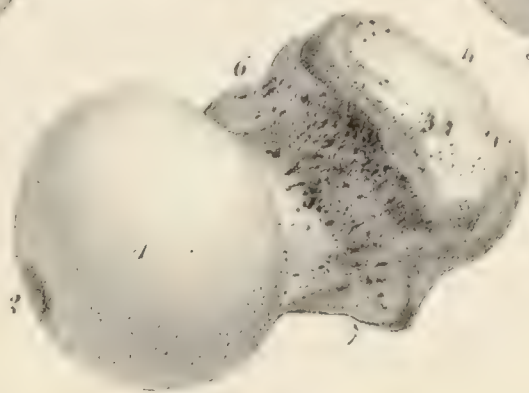


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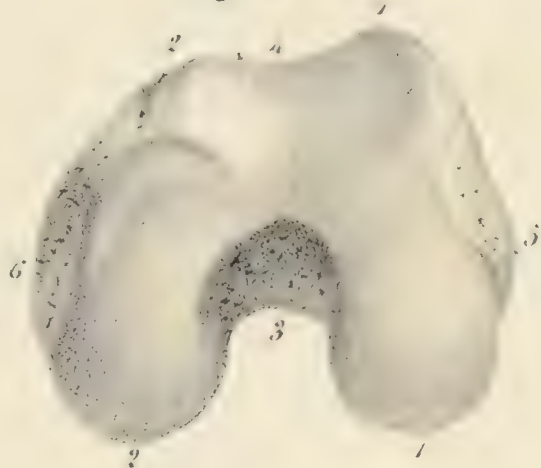


Fig. 6.

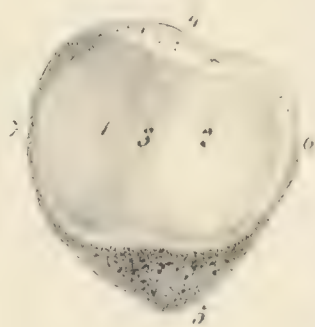


Fig. 5.

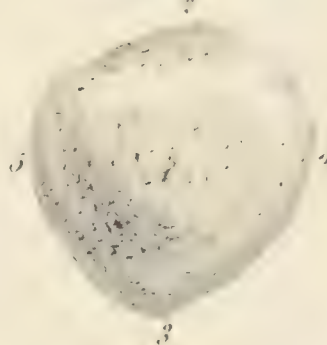


Fig. 8.



Fig. 7.



Fig. 1.

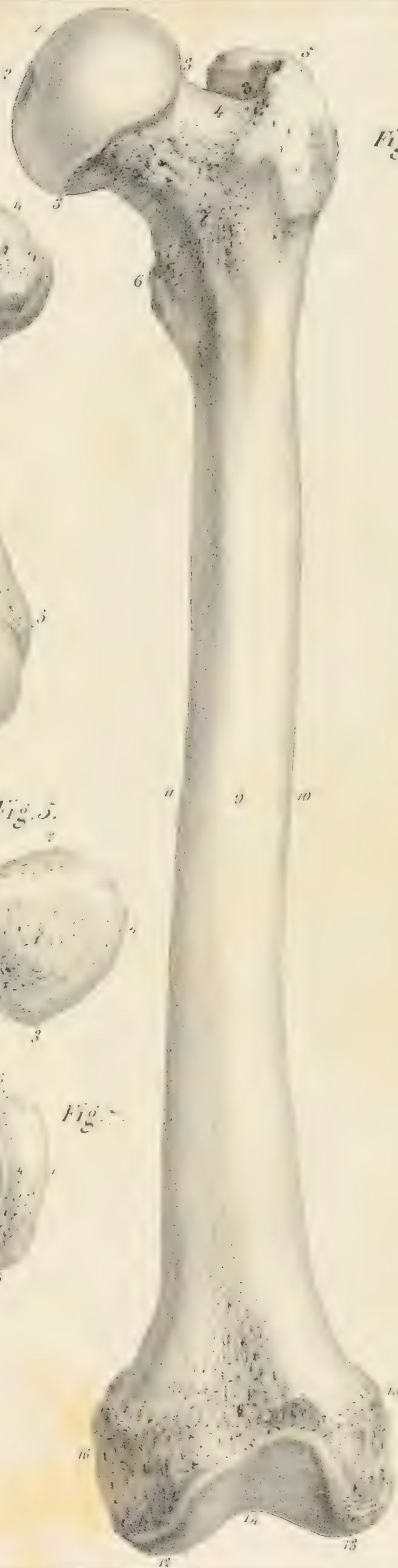


Fig. 1.

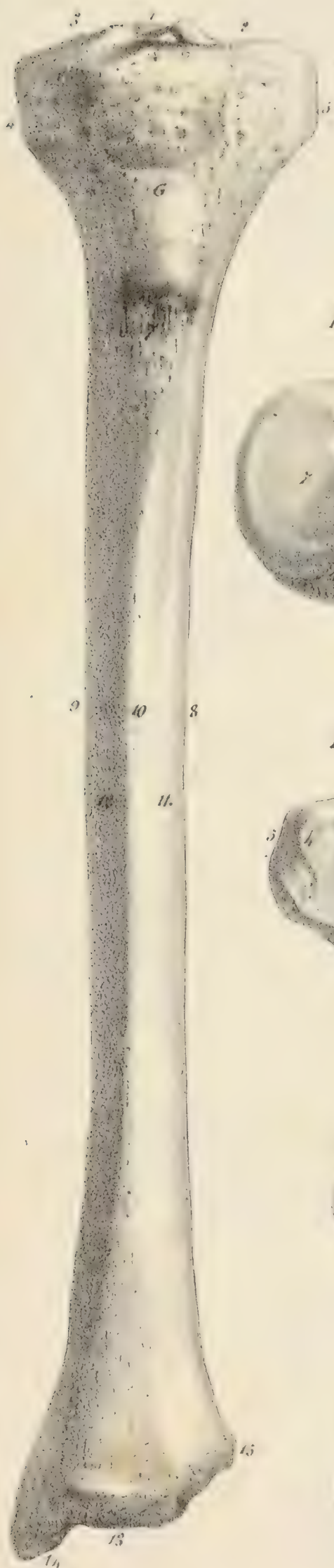


Fig. 2.

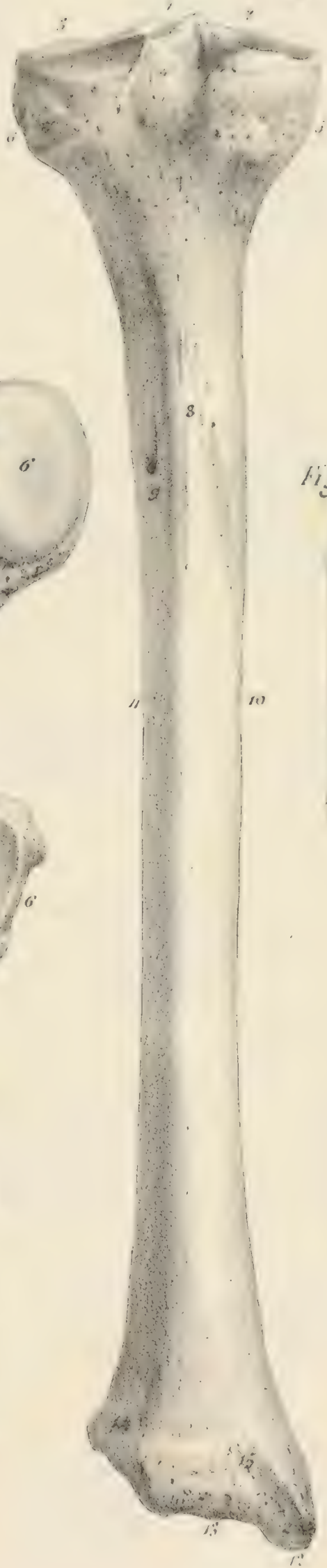


Fig. 6.



Fig. 7.

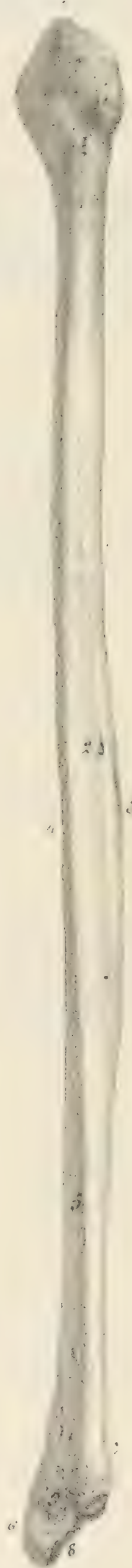


Fig. 3.

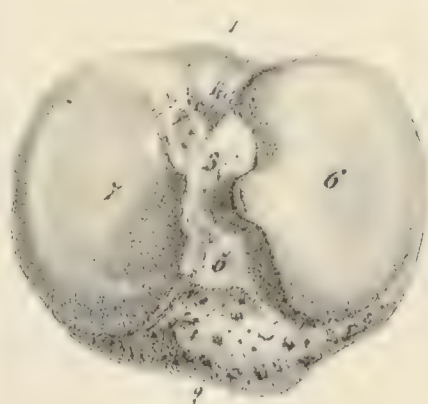


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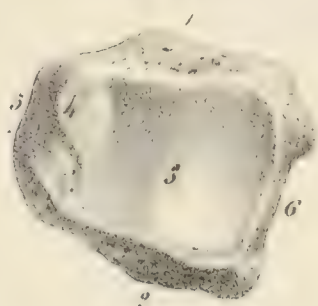


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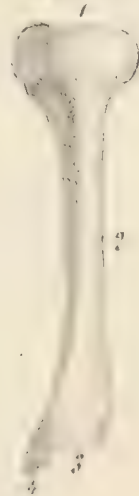


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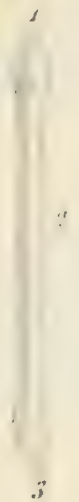


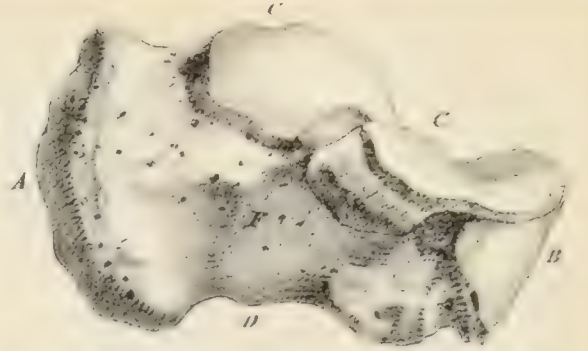
Fig. 1.



N° 2



N° 3



N° 4

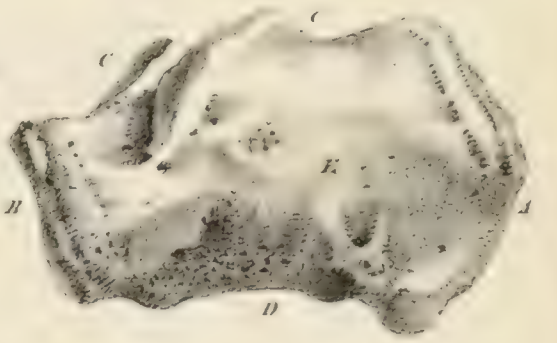
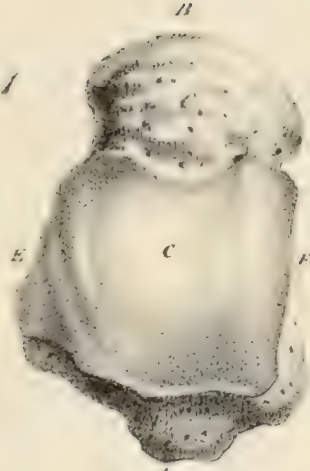
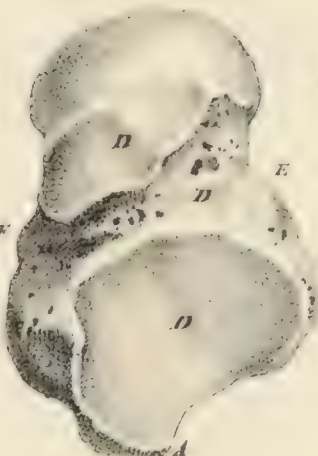


Fig. 2.

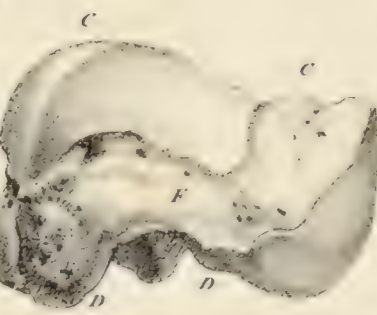
N° 1



N° 2



N° 3



N° 4

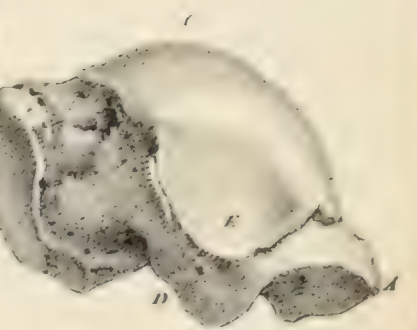
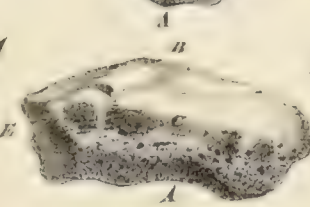


Fig. 3.

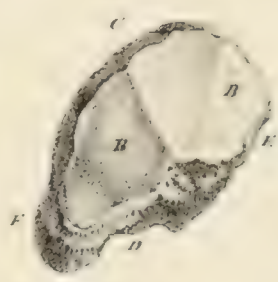
N° 1



N° 2



N° 3



N° 4

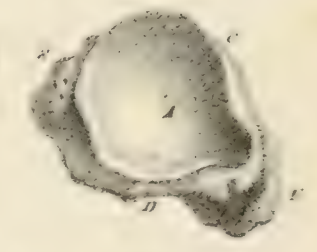
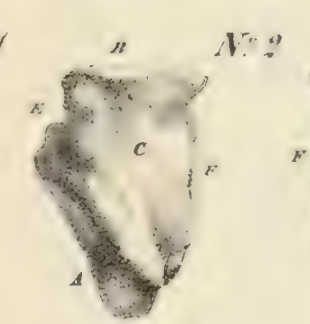


Fig. 4.

N° 1



N° 2



N° 3



N° 4



N° 5

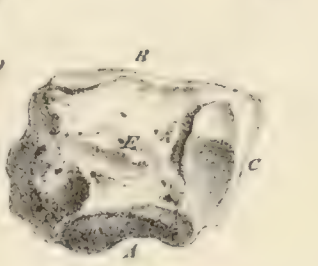


Fig. 5.

N° 1



N° 2



N° 3



N° 4

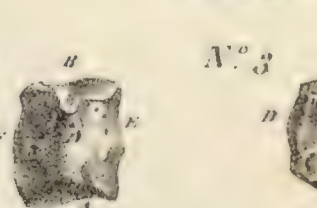


Fig. 6.

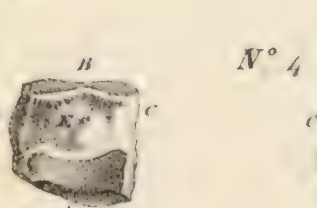
N° 1



N° 2



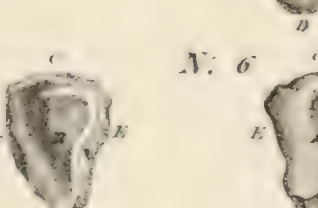
N° 3



N° 4



N° 5



N° 6

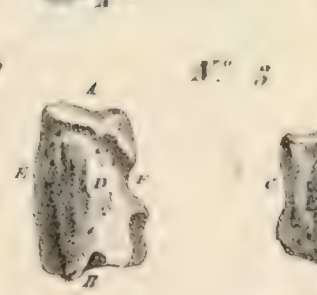


Fig. 7.

N° 1



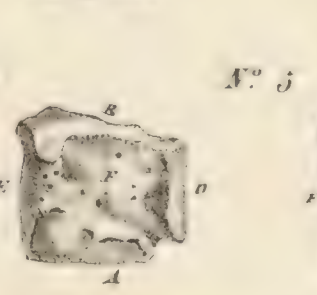
N° 2



N° 3



N° 4



N° 5



N° 6



Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.

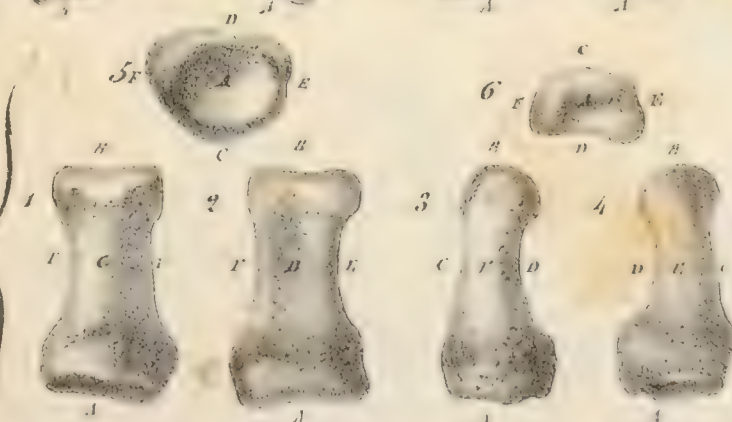


Fig. 7.



Fig. 9.



Fig. 10.

Fig. 11.

Fig. 12.

Fig. 13.

Fig. 14.

Fig. 15.

Fig. 16.

Fig. 17.

Fig. 18.

Fig. 19.

Fig. 20.

Fig. 21.

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Fig. 2.



Fig. 1.

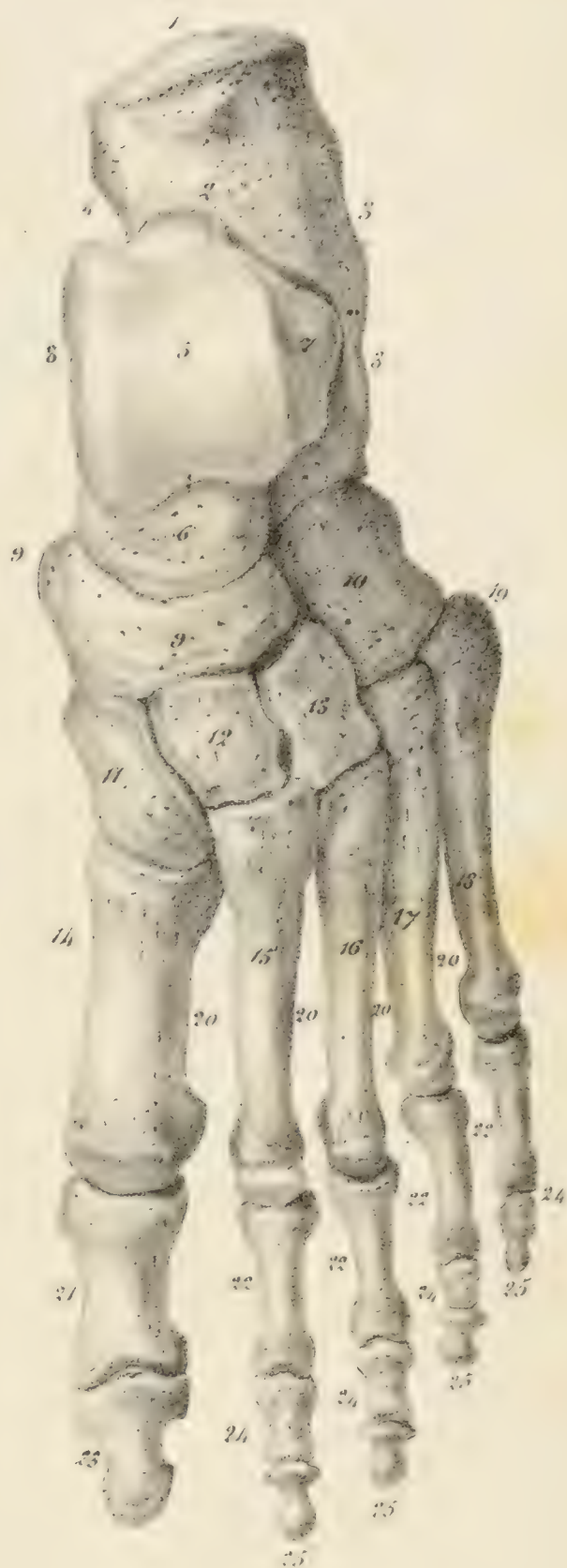


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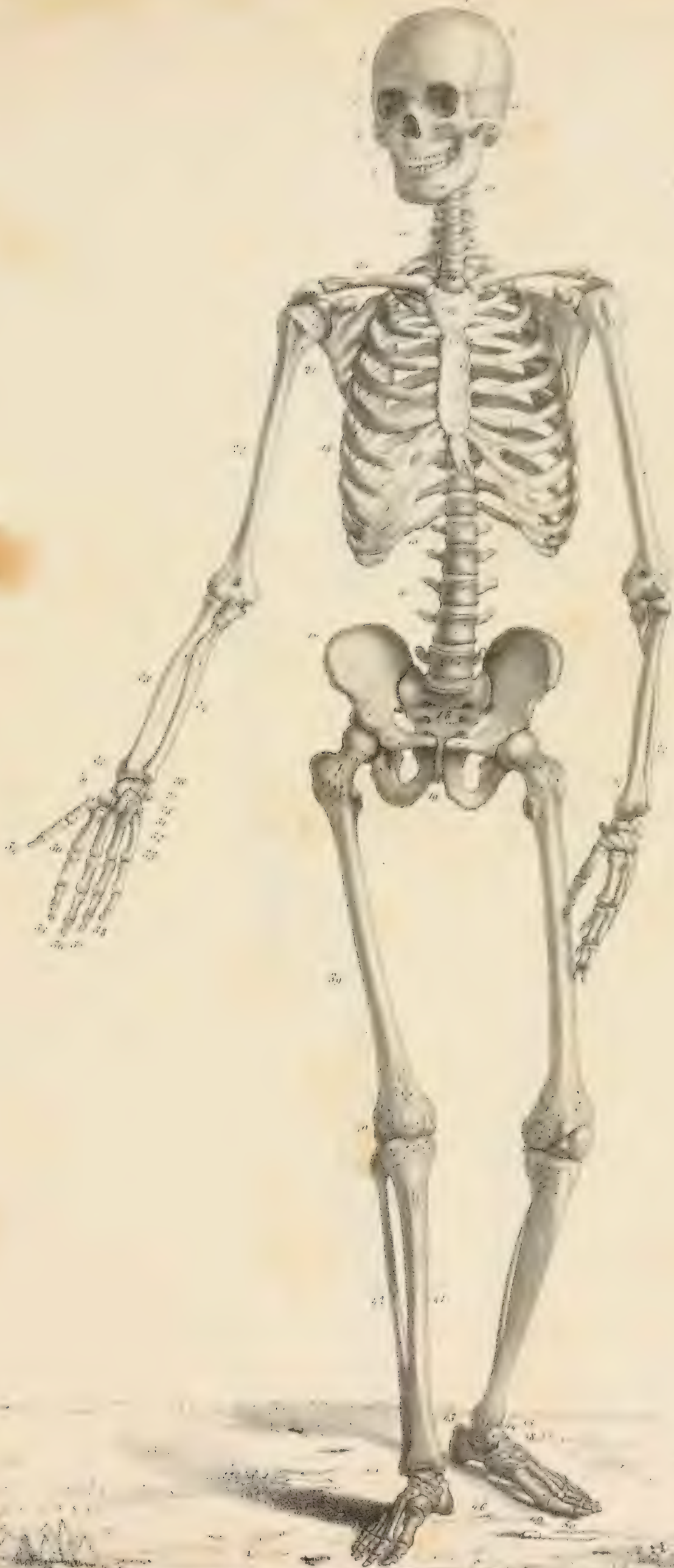






Fig. 1.

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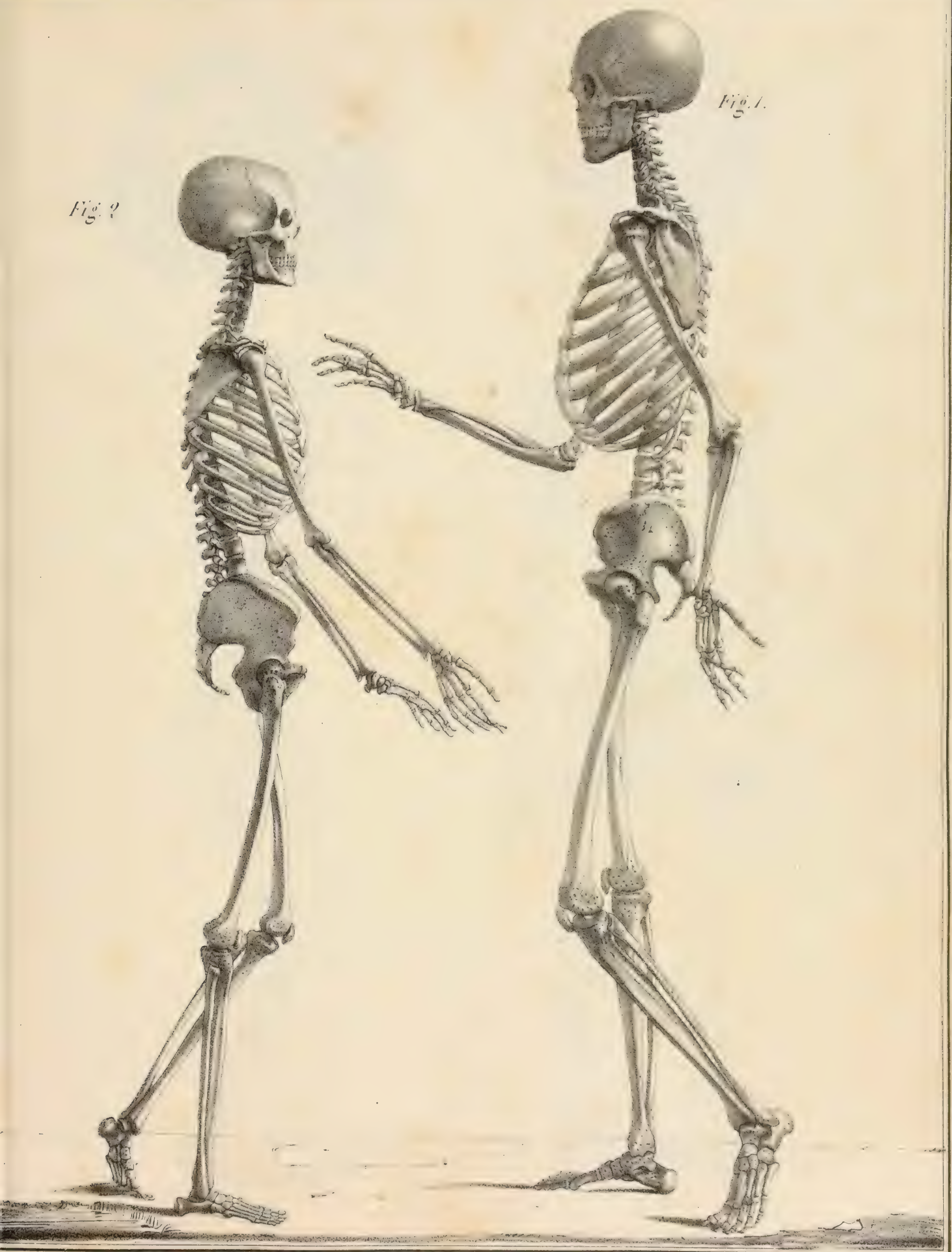


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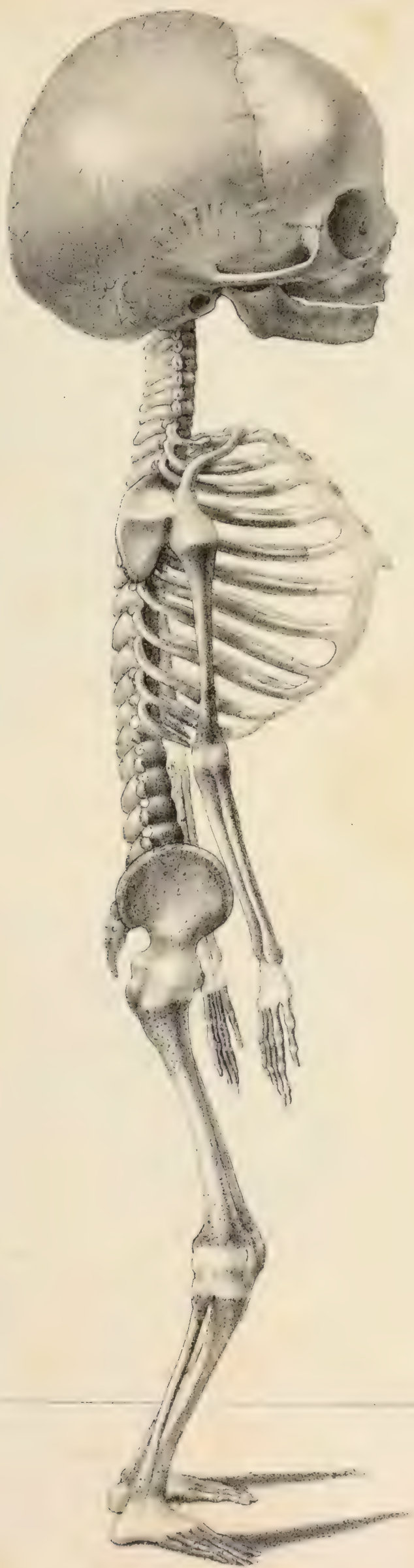


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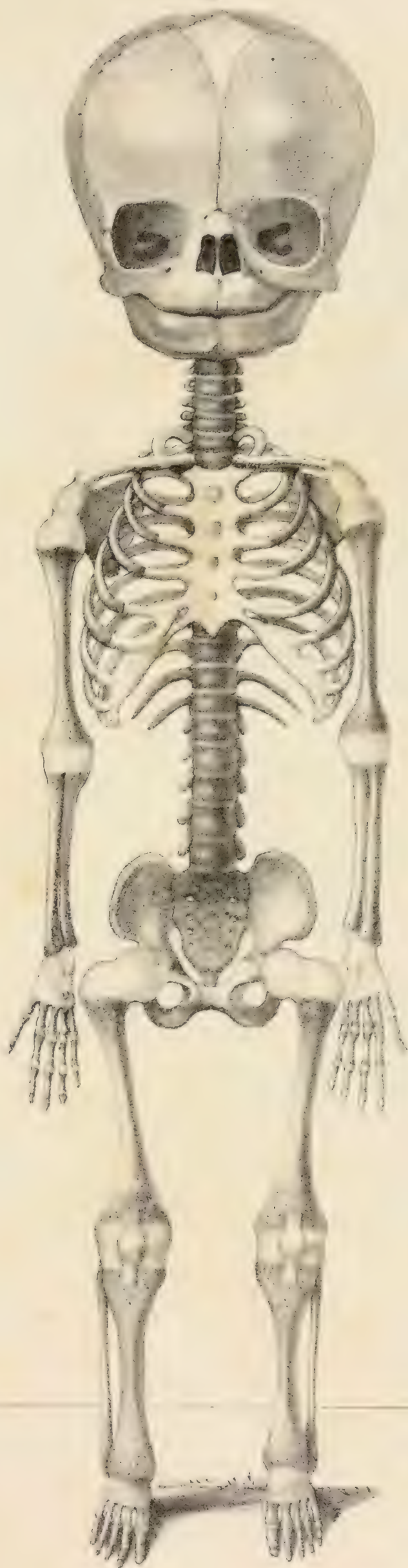


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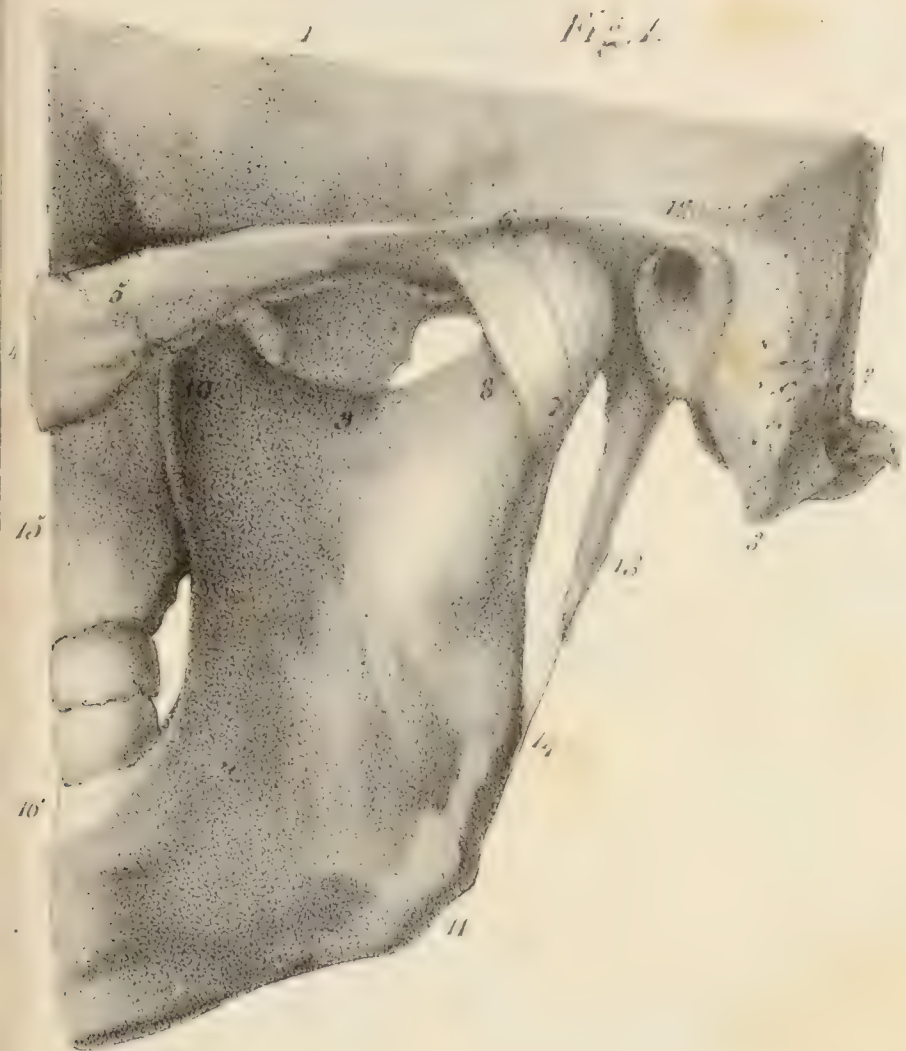


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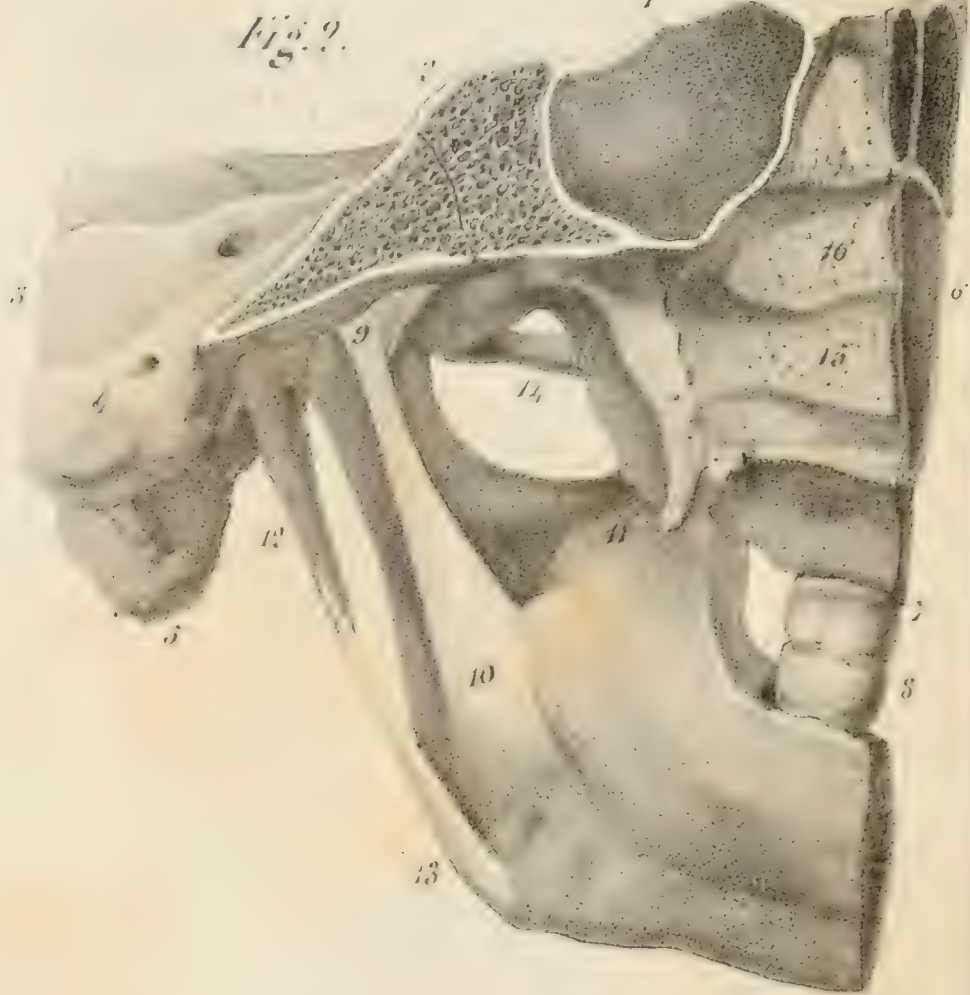


Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.



Fig. 1.

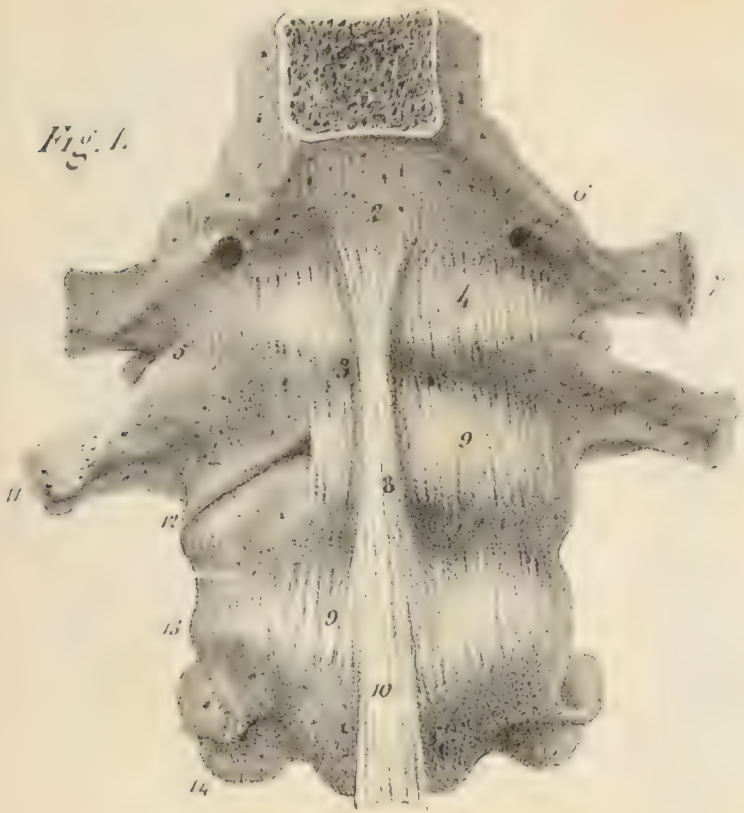


Fig. 2.



Fig. 3.



Fig. 4.

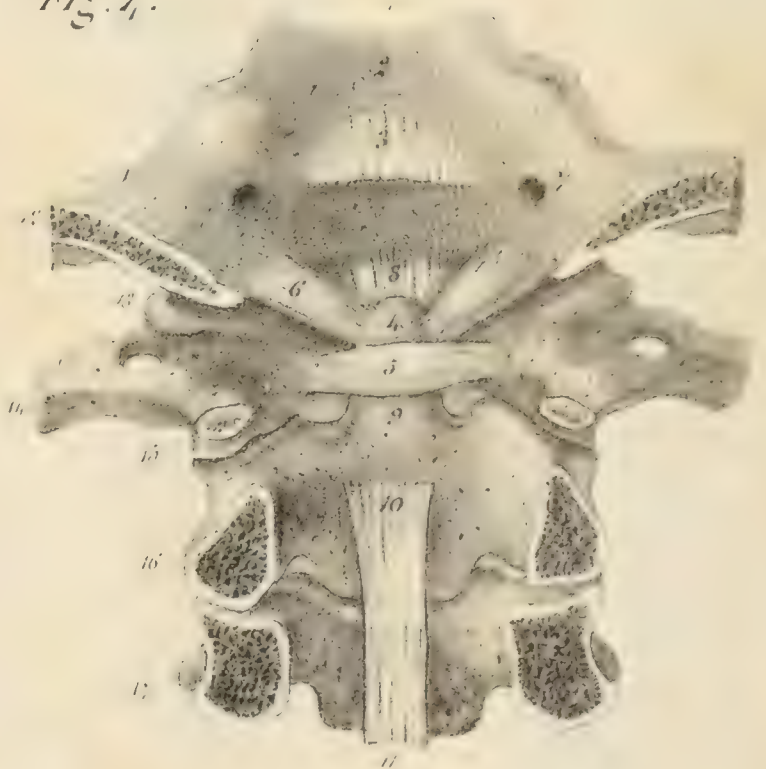


Fig. 5.



Fig. 6.



Fig. 1.



Fig. 2.

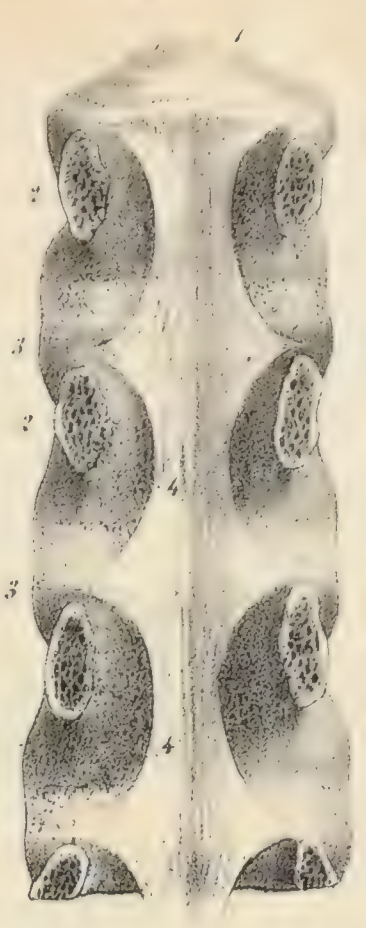


Fig. 3.



Fig. 4.



Fig. 5.

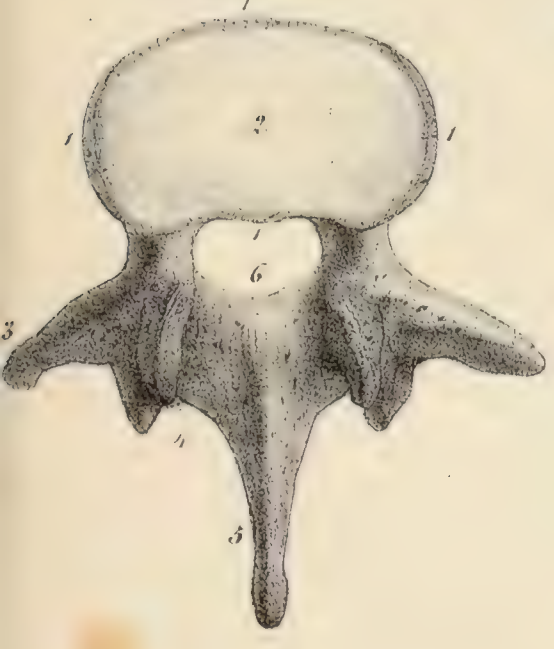


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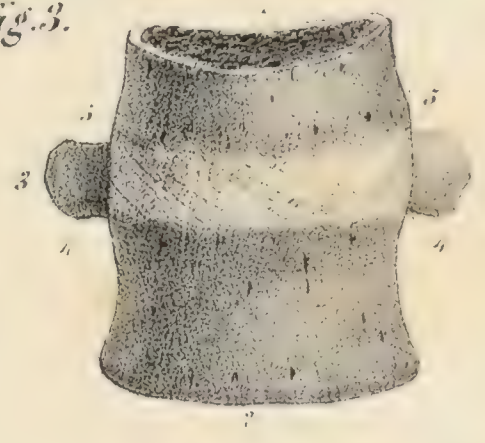


Fig. 7.



Fig. 8.

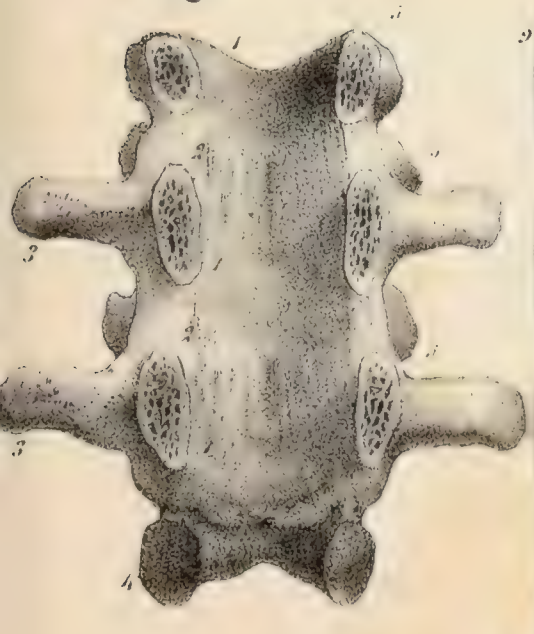


Fig. 1.



Fig. 2.



Fig. 3.



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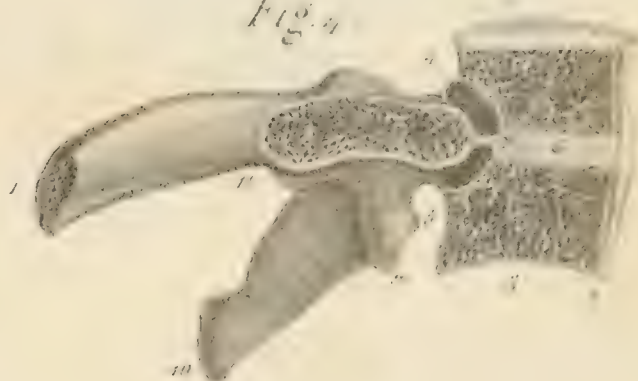


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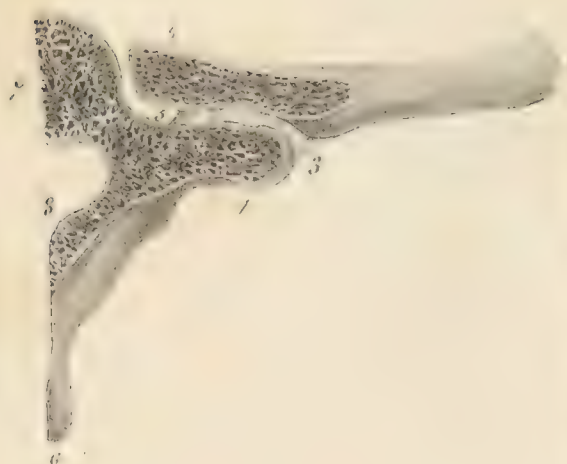


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Fig. 7.

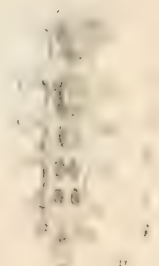




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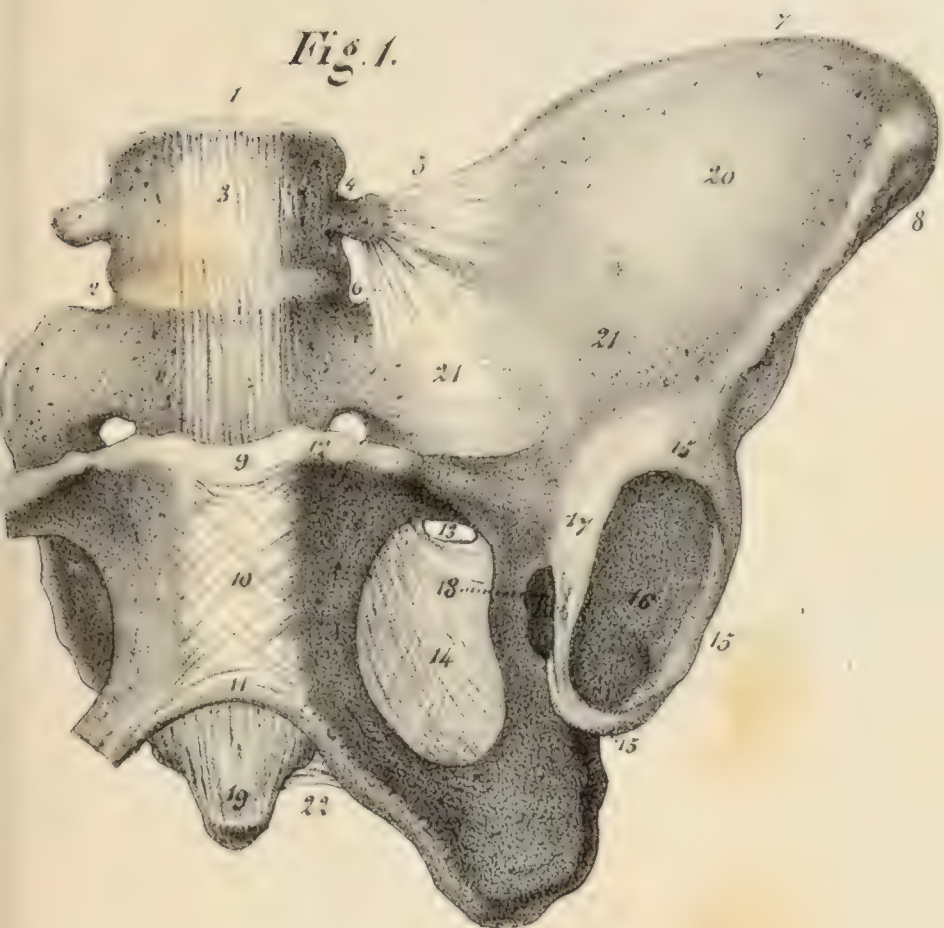


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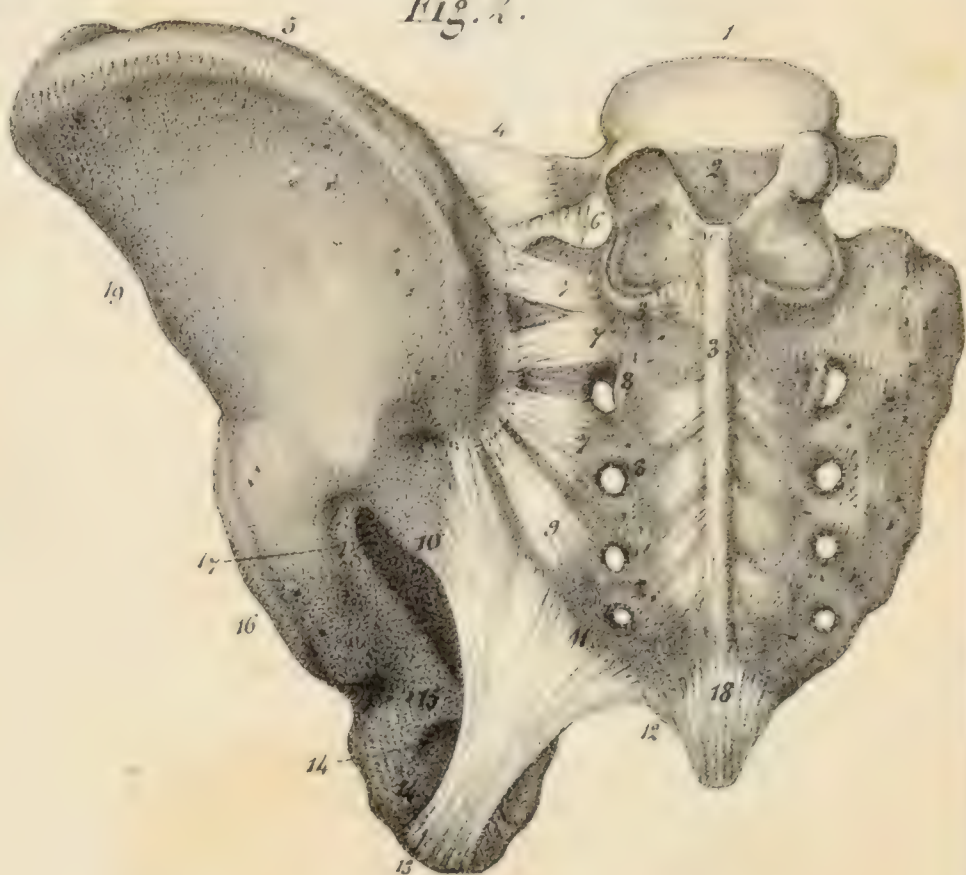


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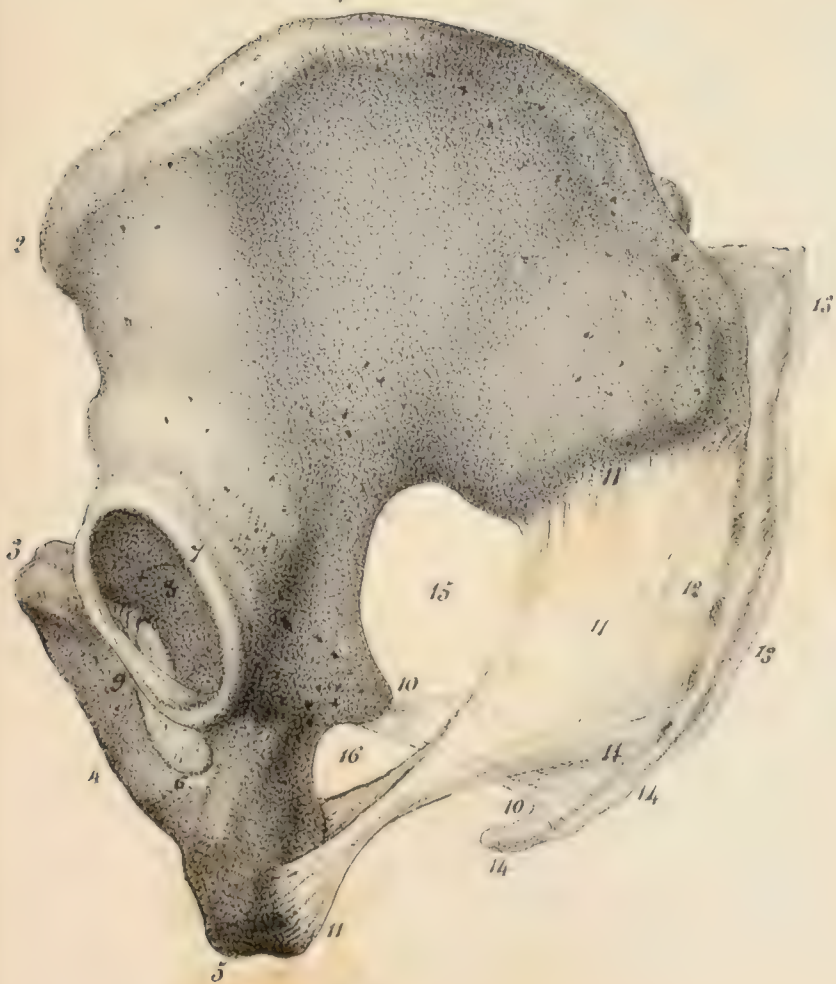


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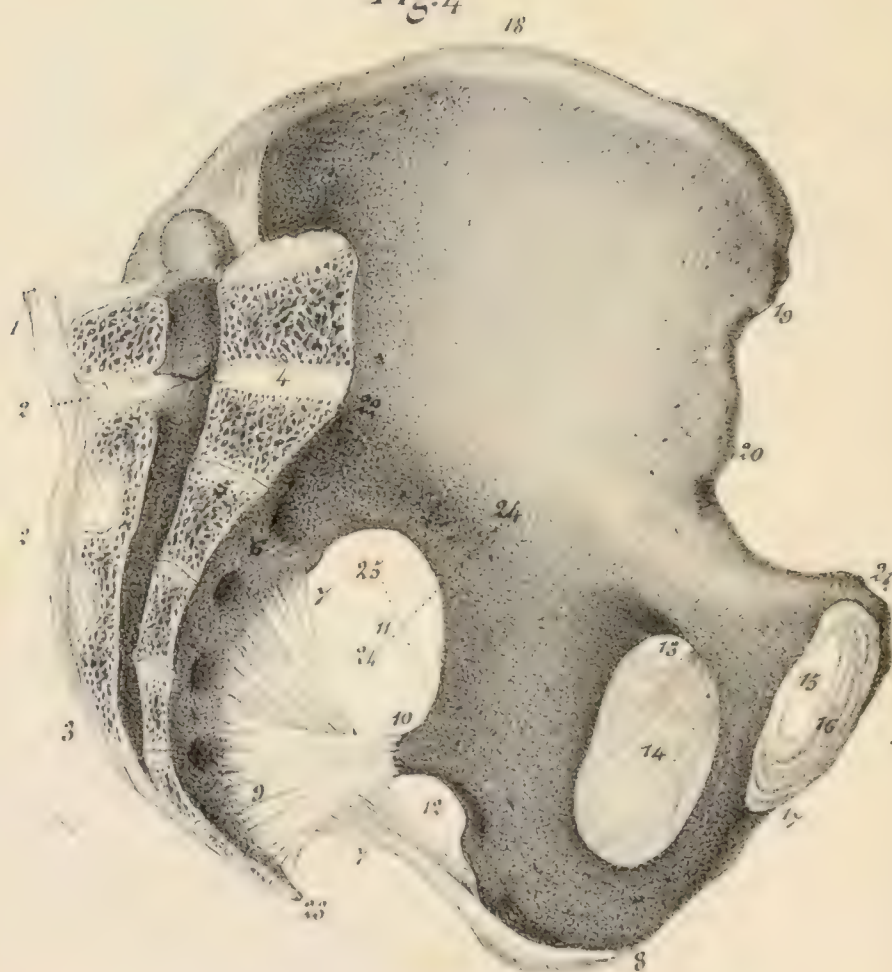




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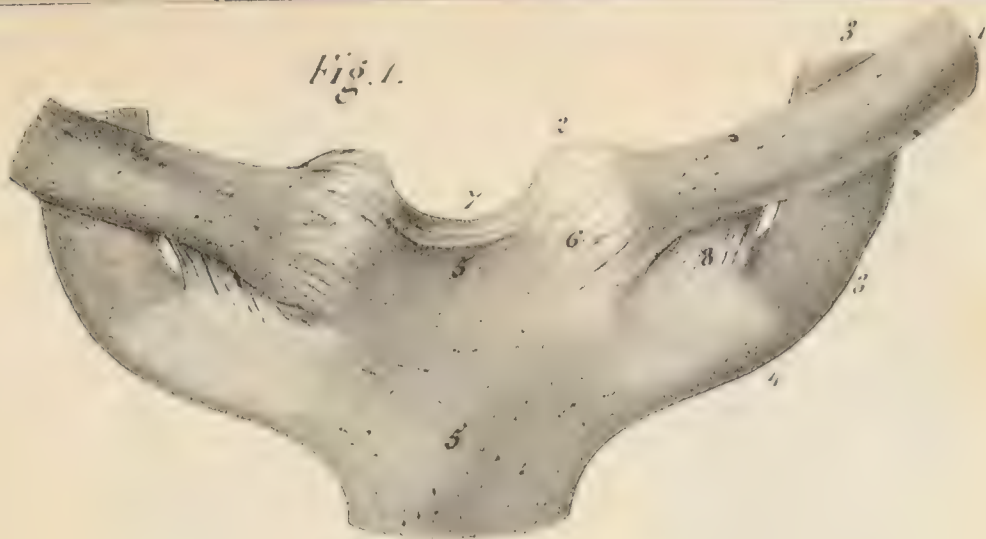


Fig. 2.



Fig. 4.



Fig. 5.



Fig. 3.



Fig. 6.

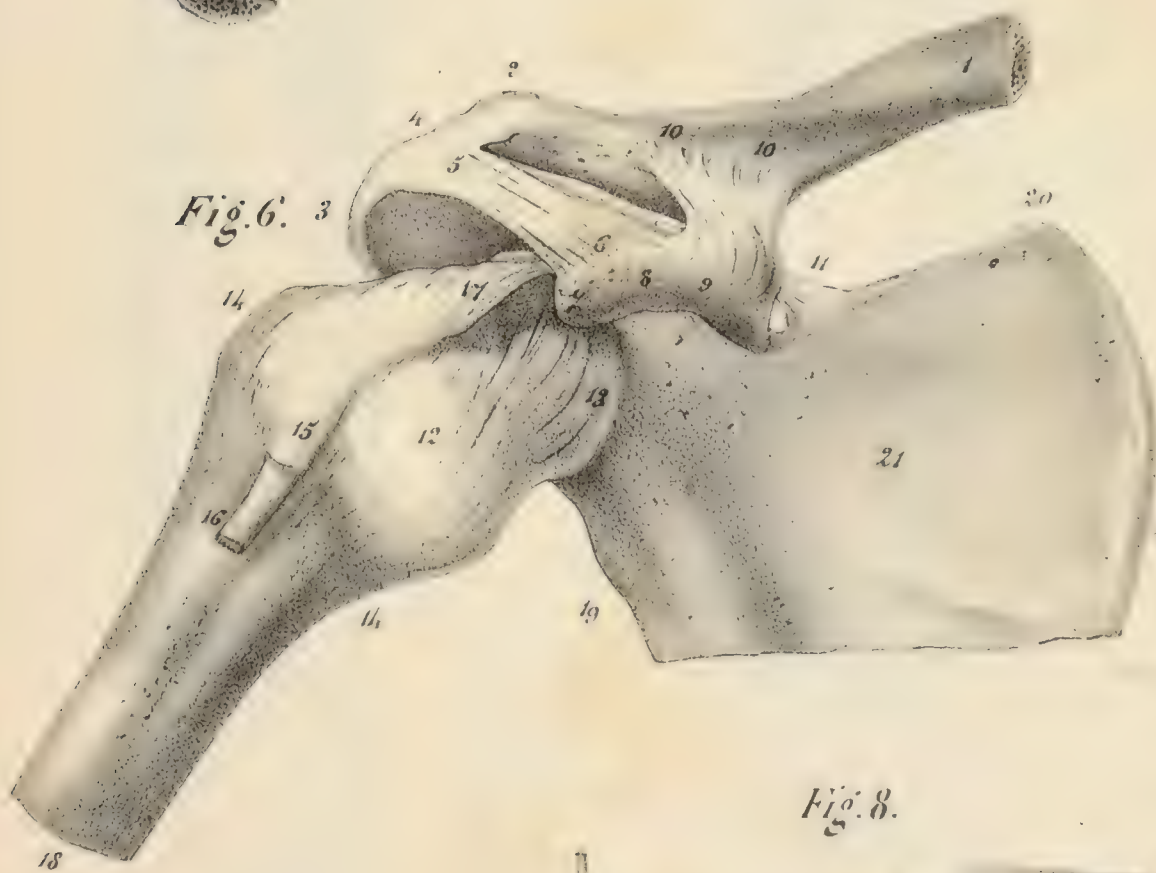


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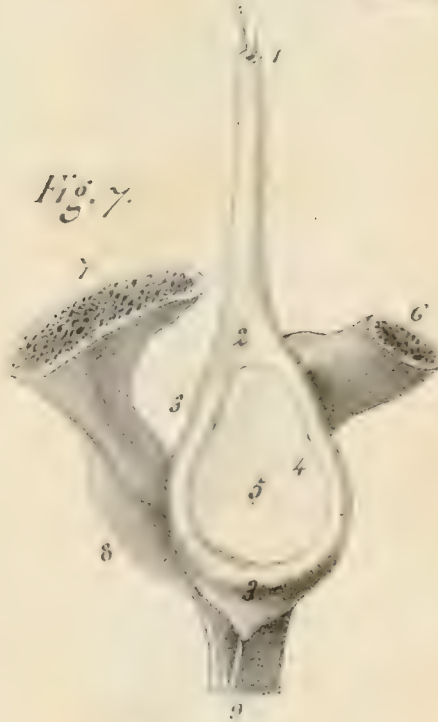
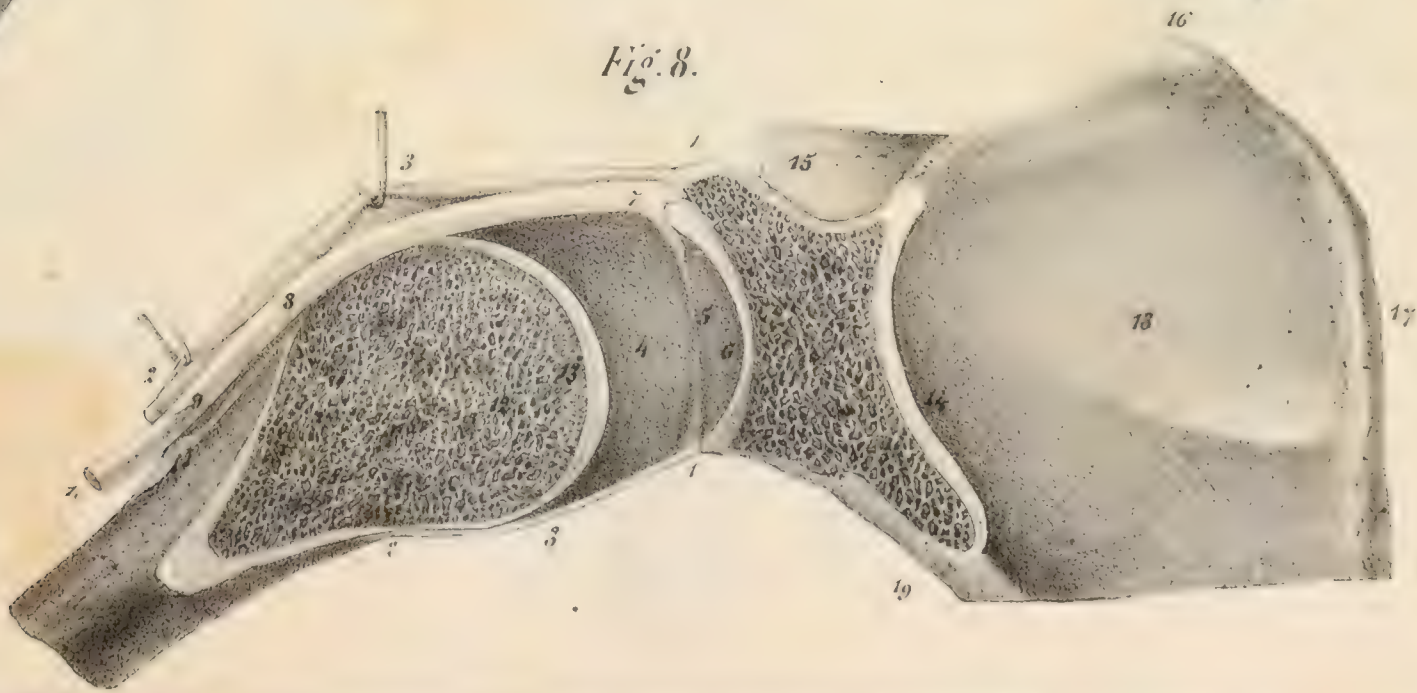


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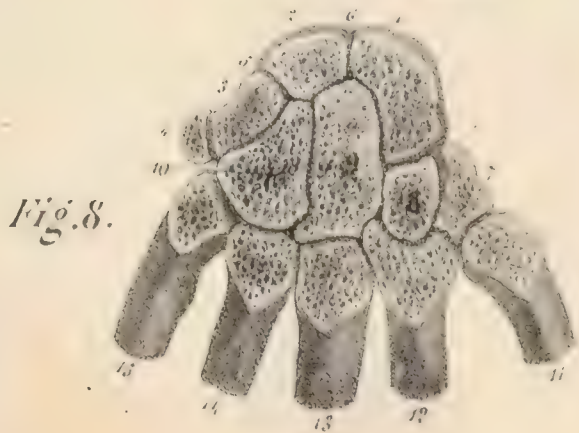
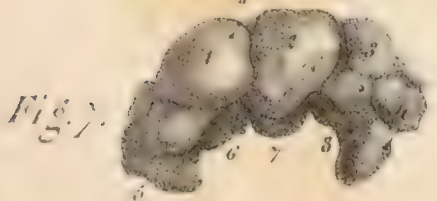
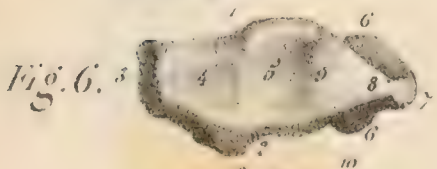
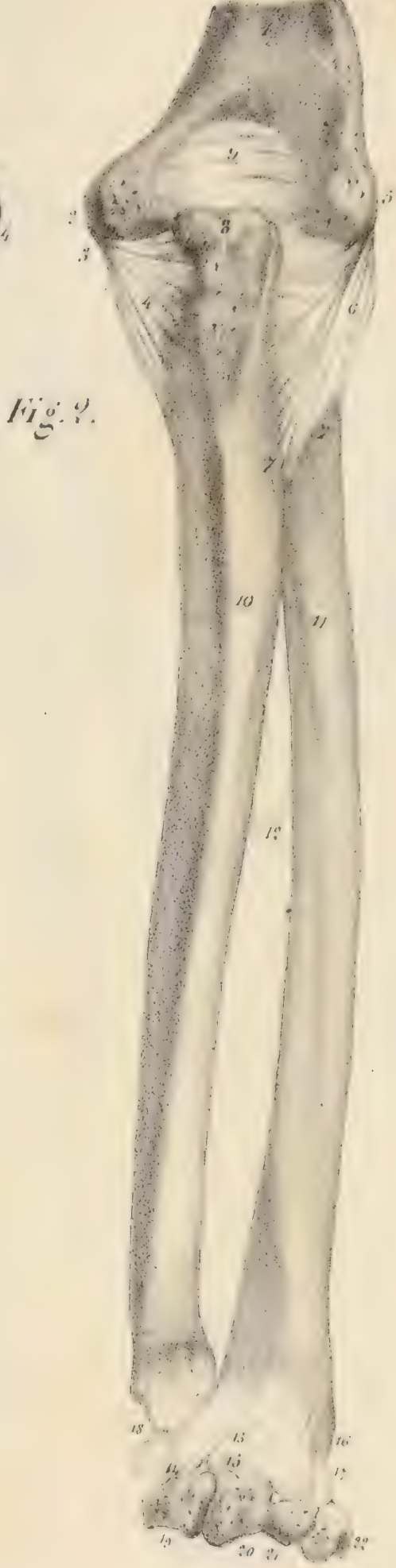


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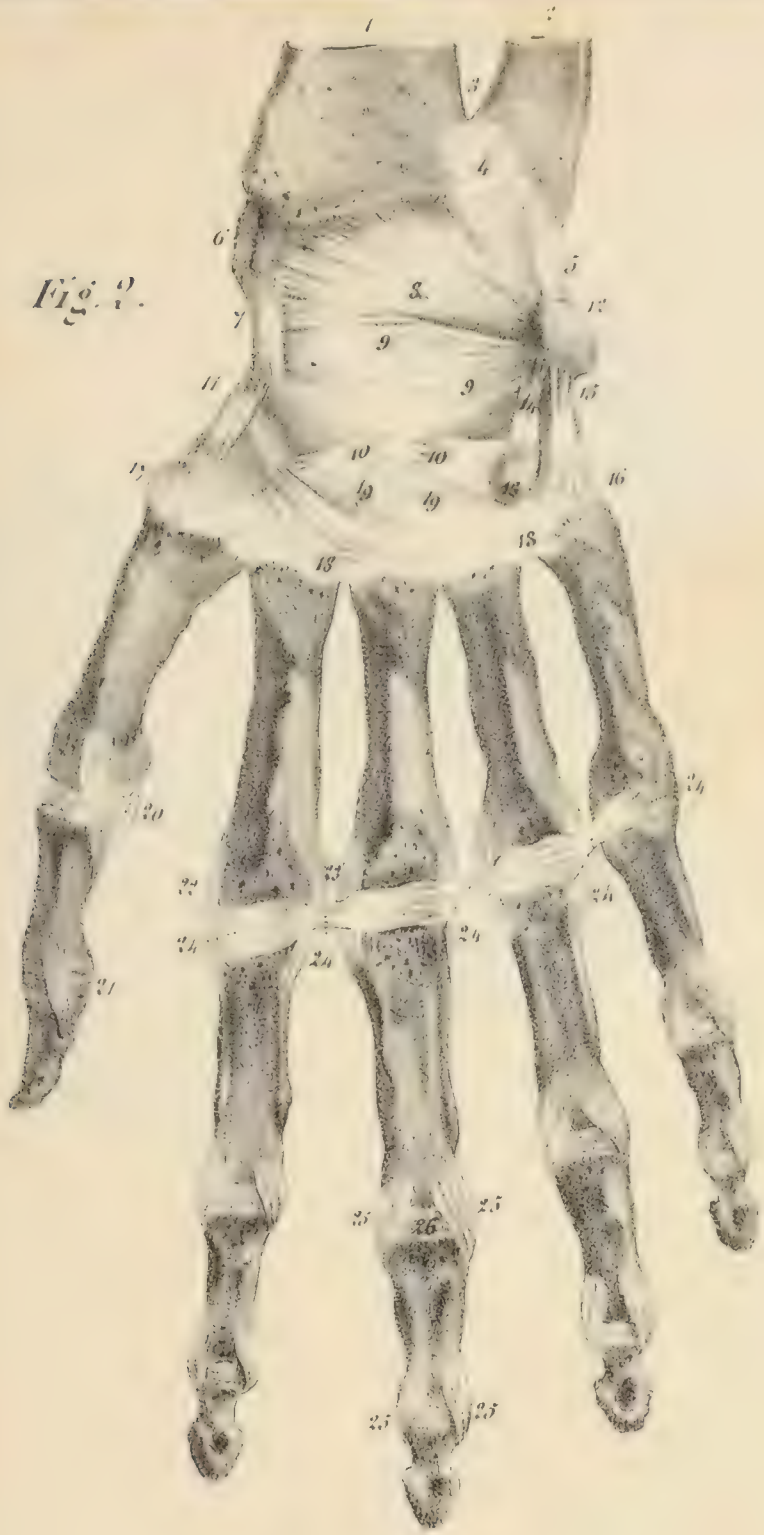


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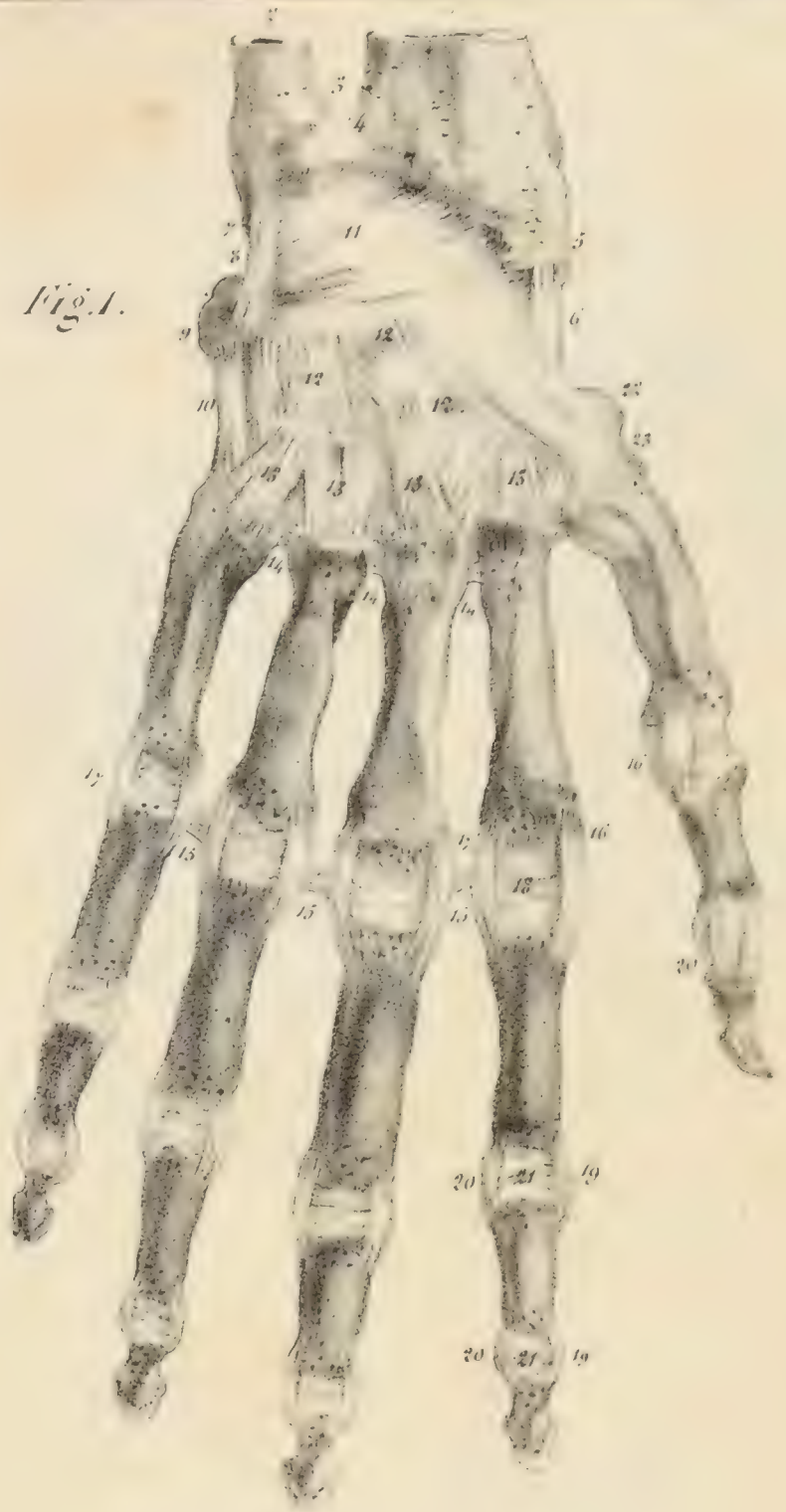


Fig. 6.



Fig. 5.



Fig. 4.



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Fig. 2.



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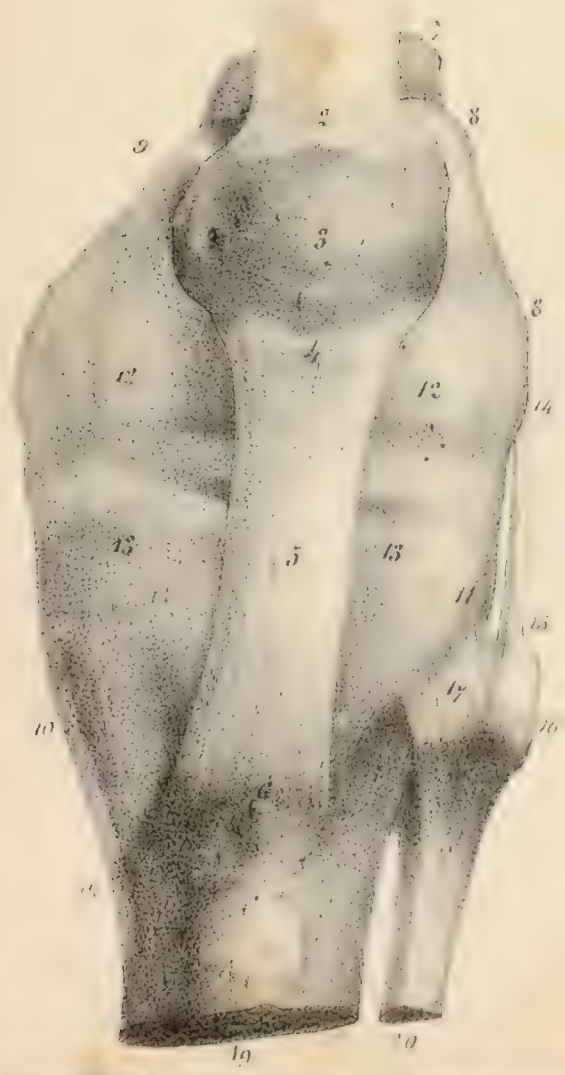


Fig. 4.



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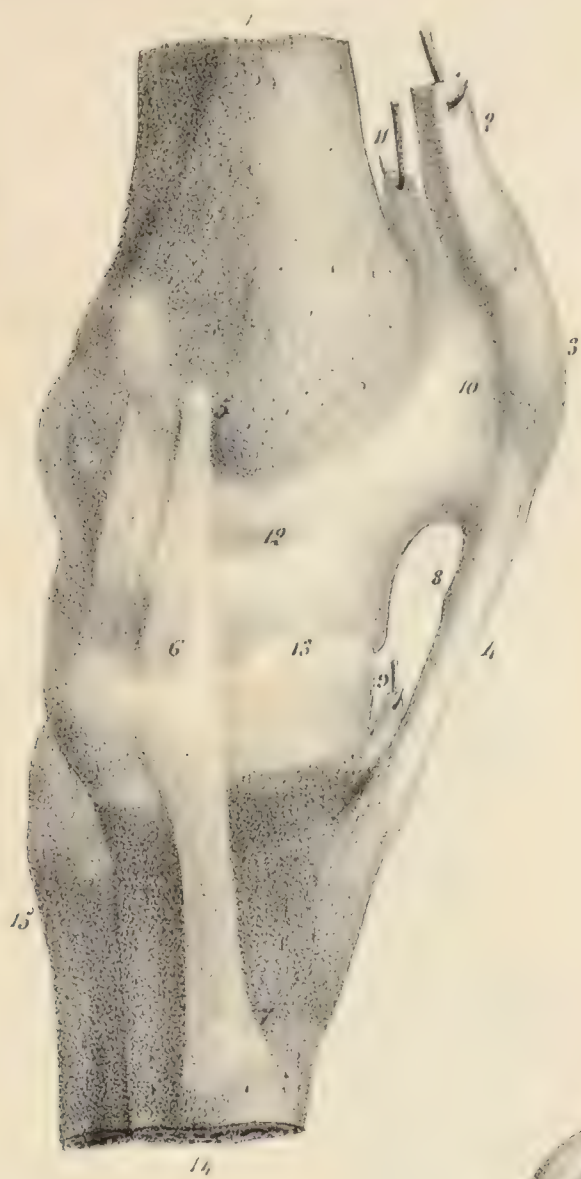


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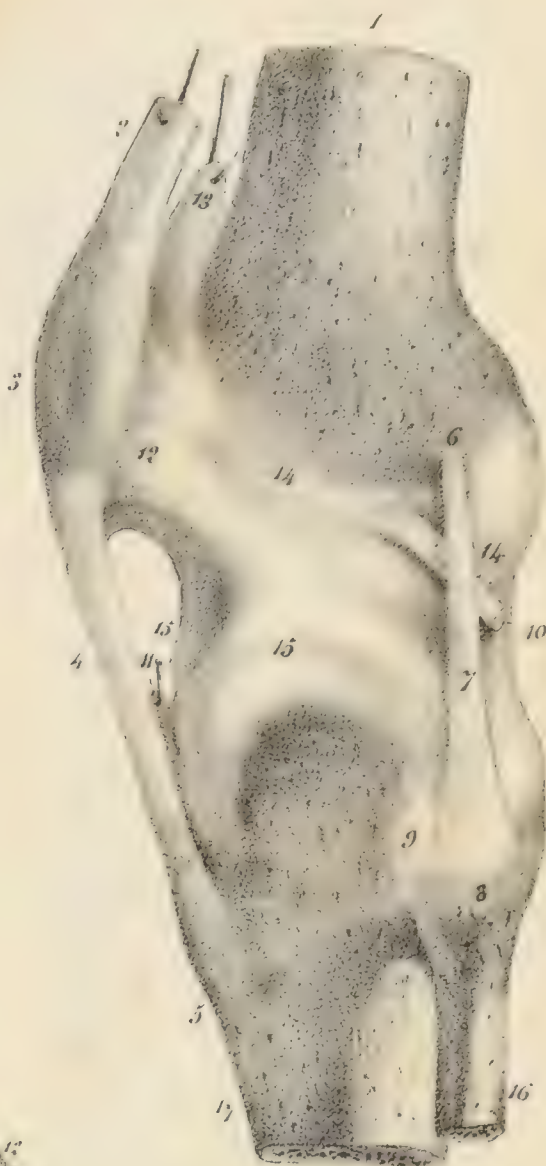


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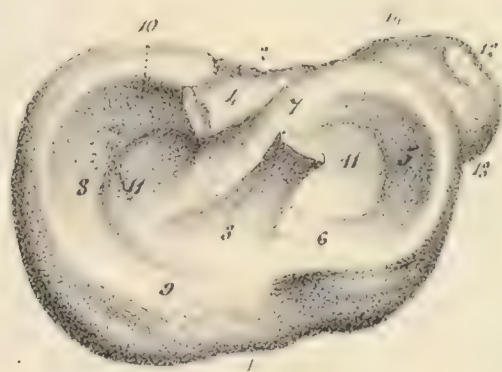


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Fig. 4.

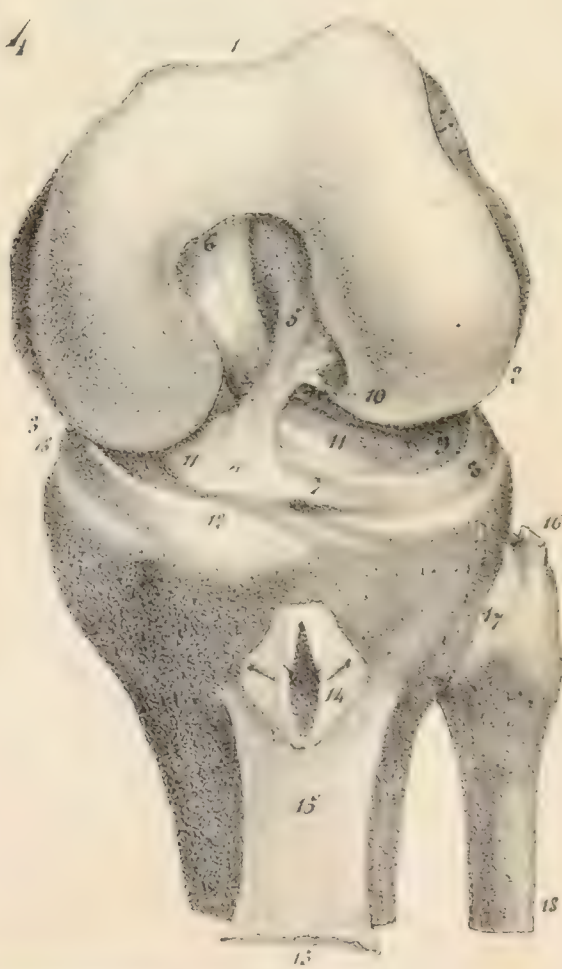


Fig. 2.



Fig. 3.

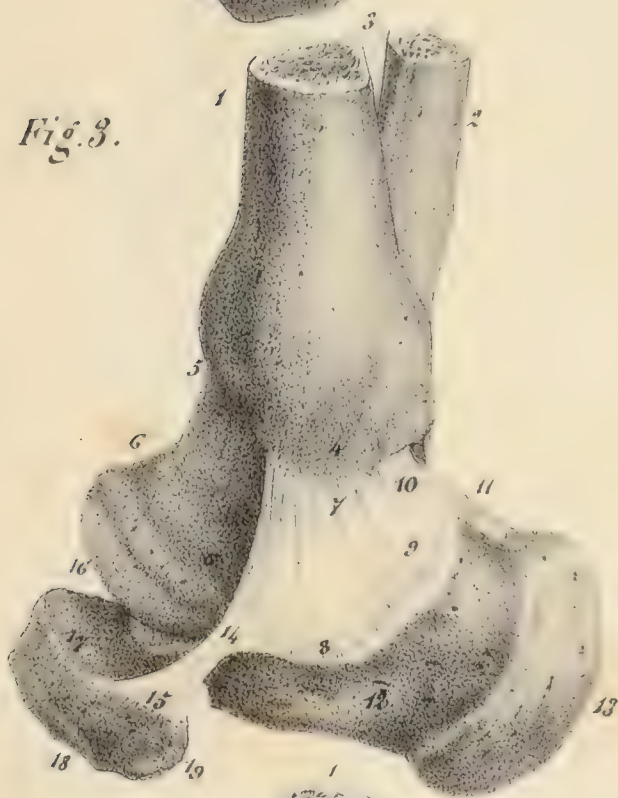


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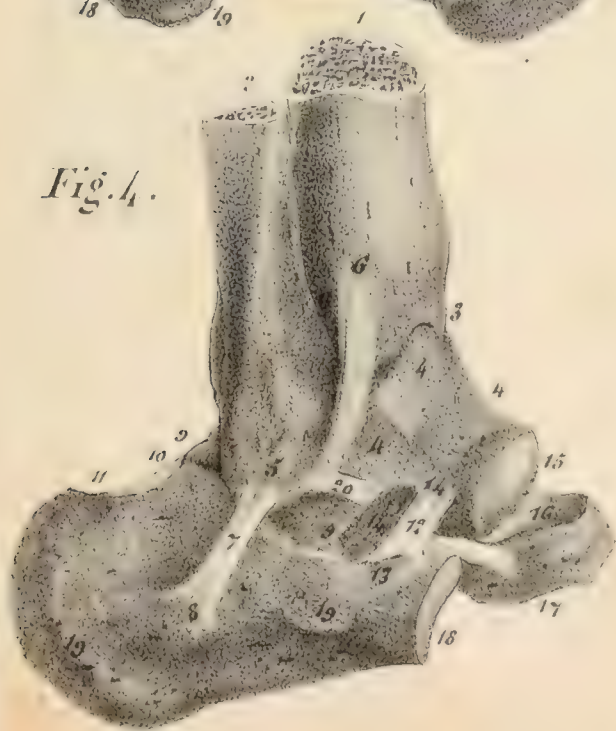


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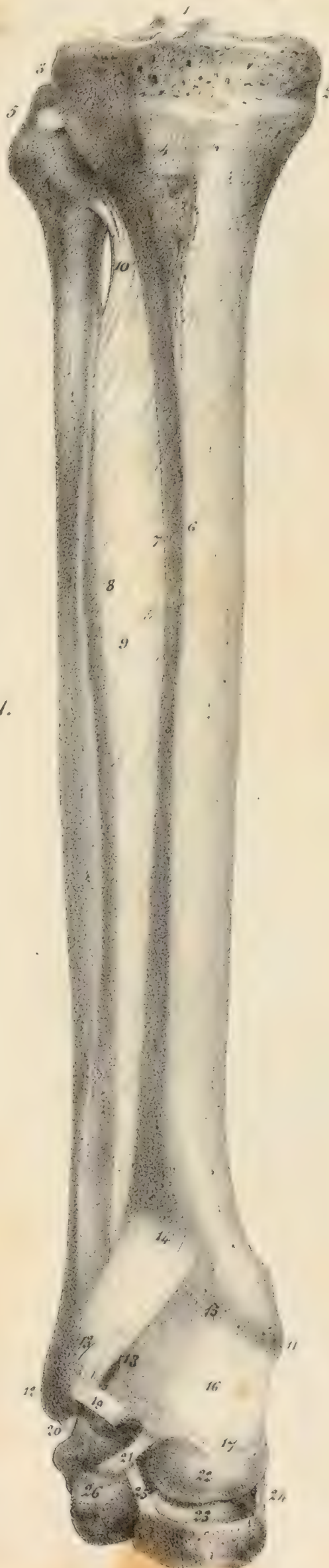


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Fig. 3.

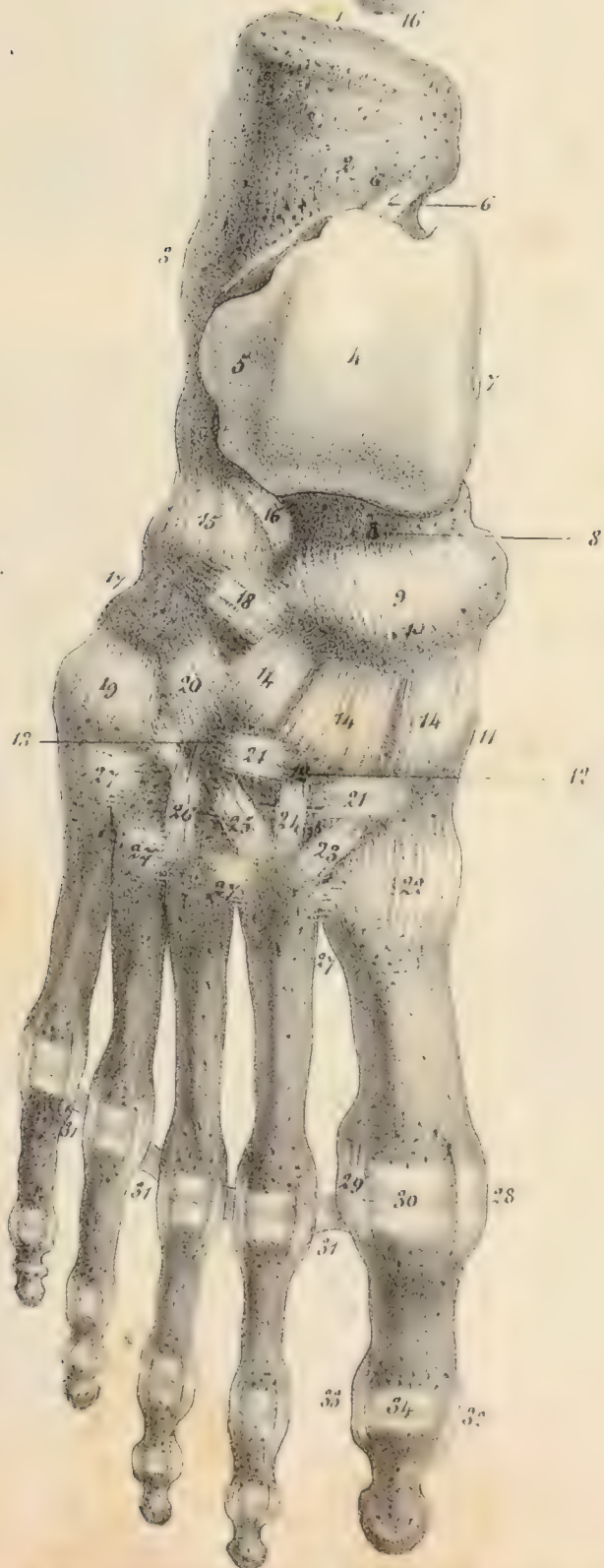


Fig. 4.



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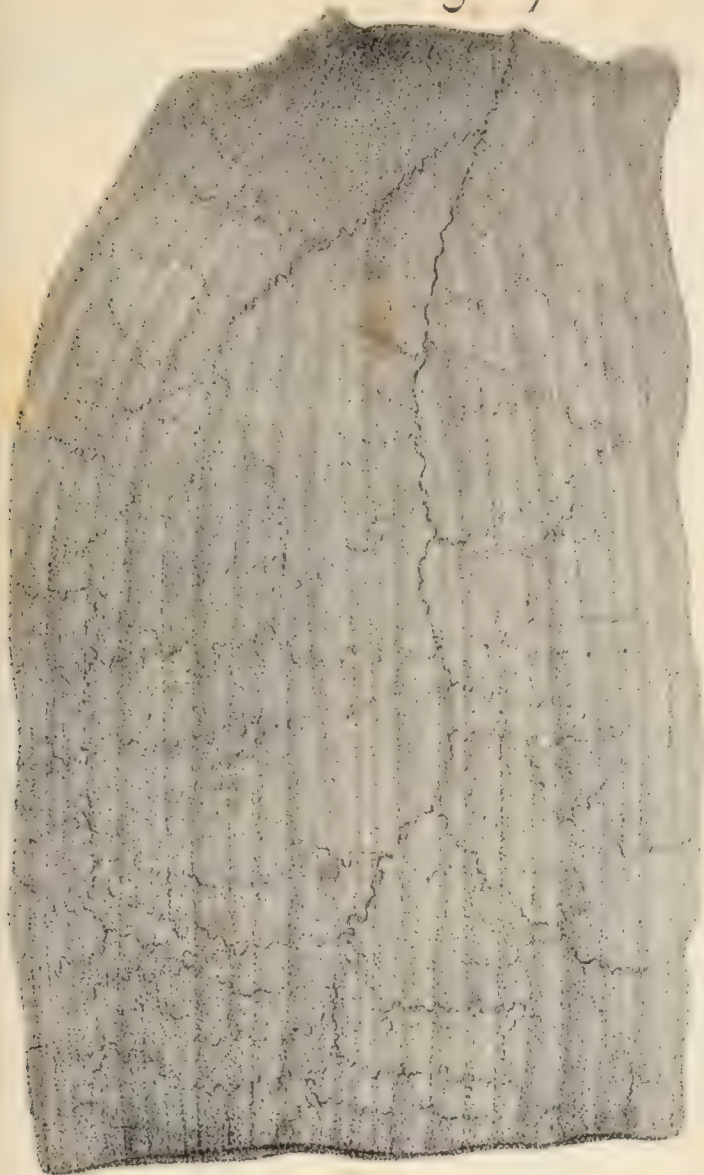


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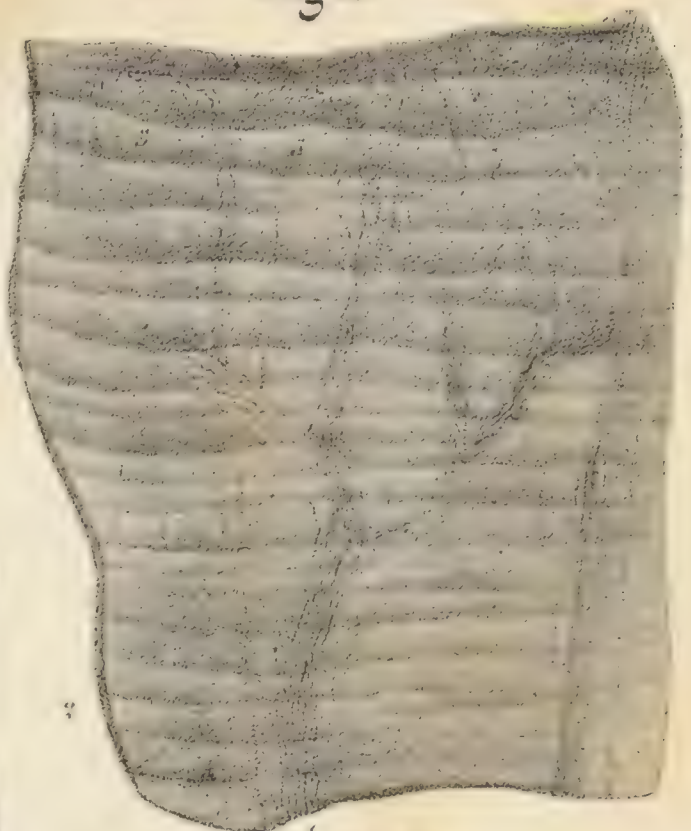


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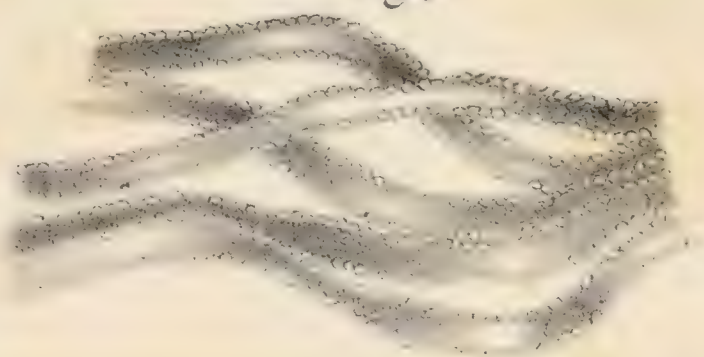
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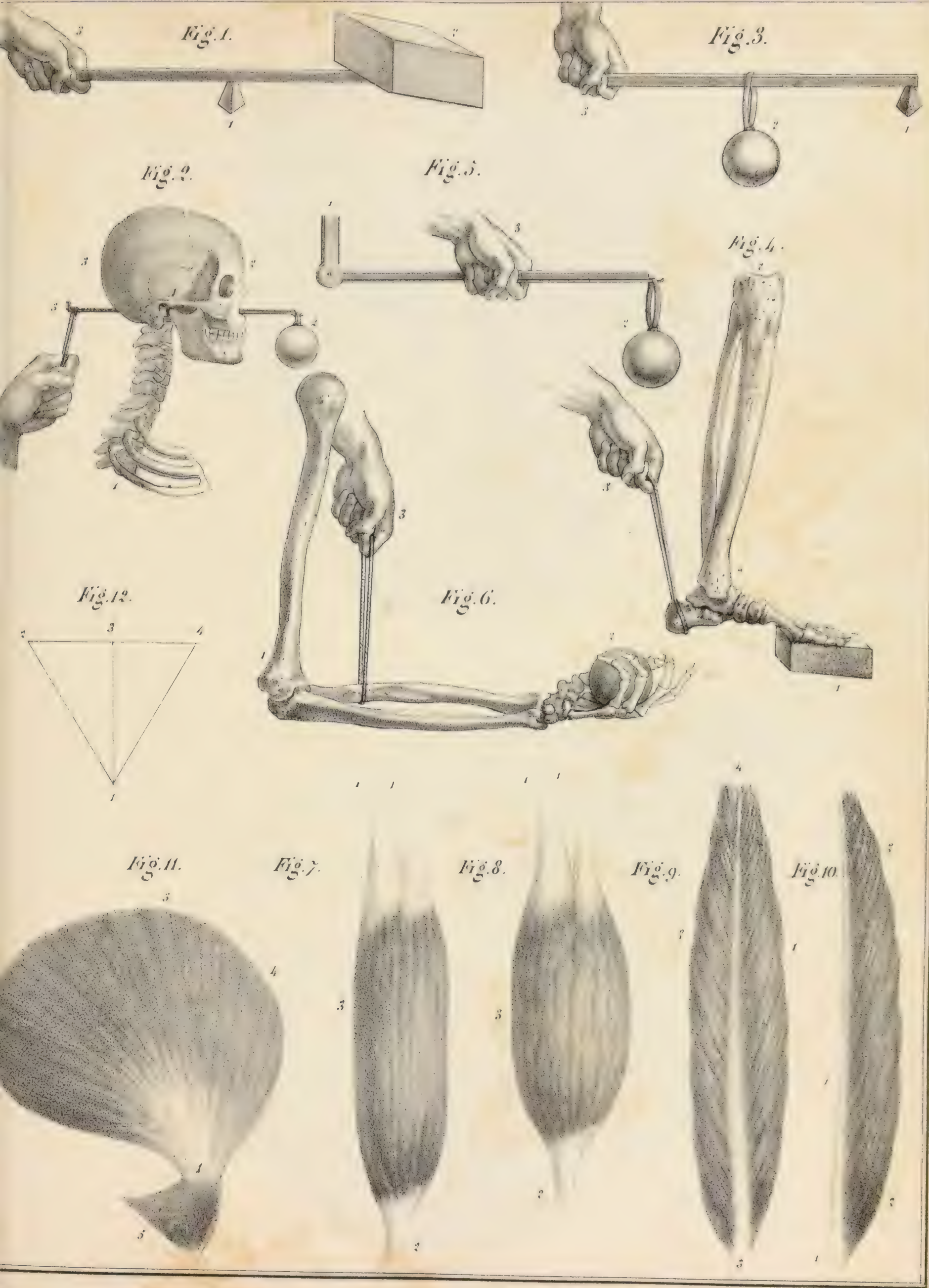
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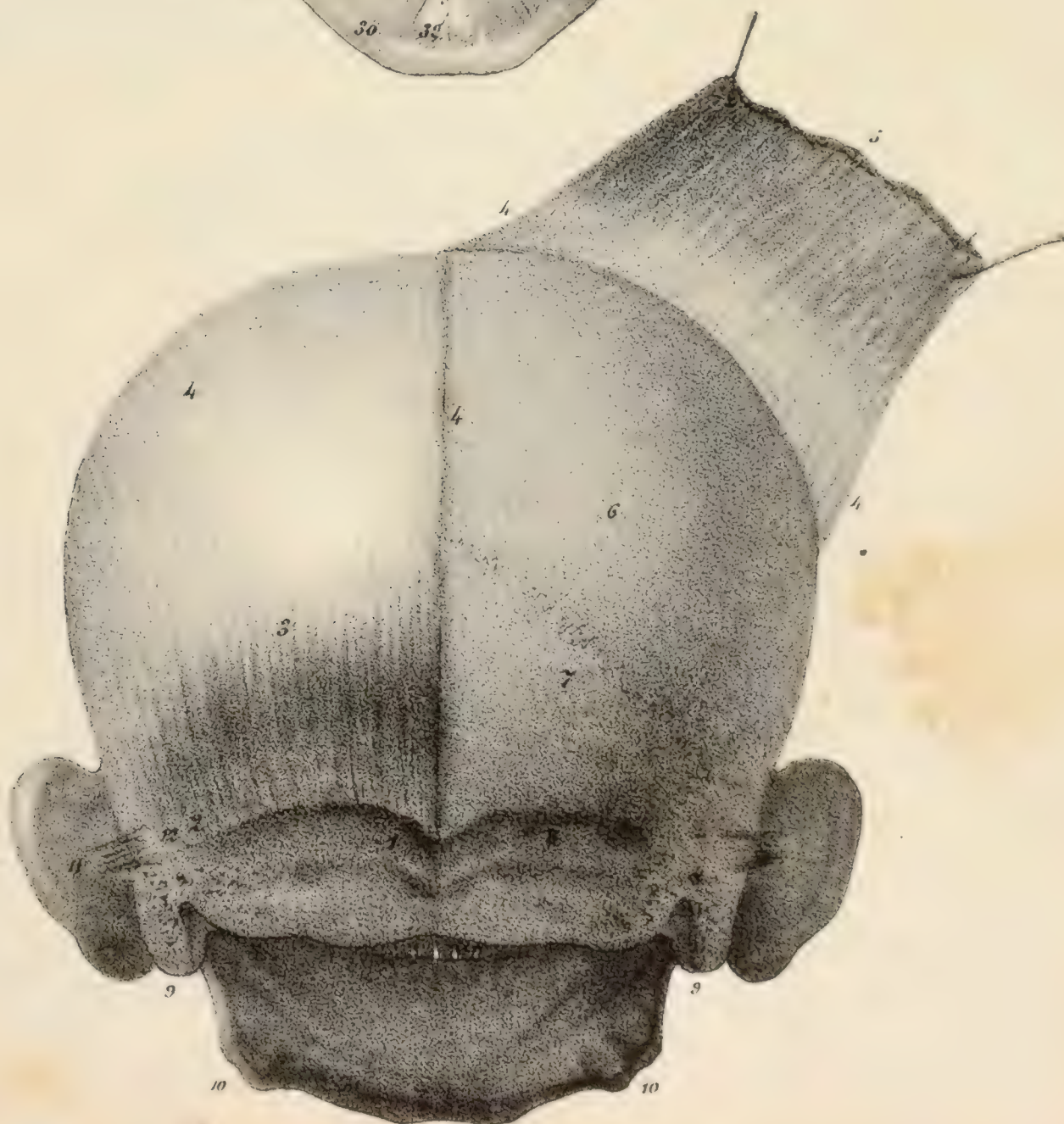
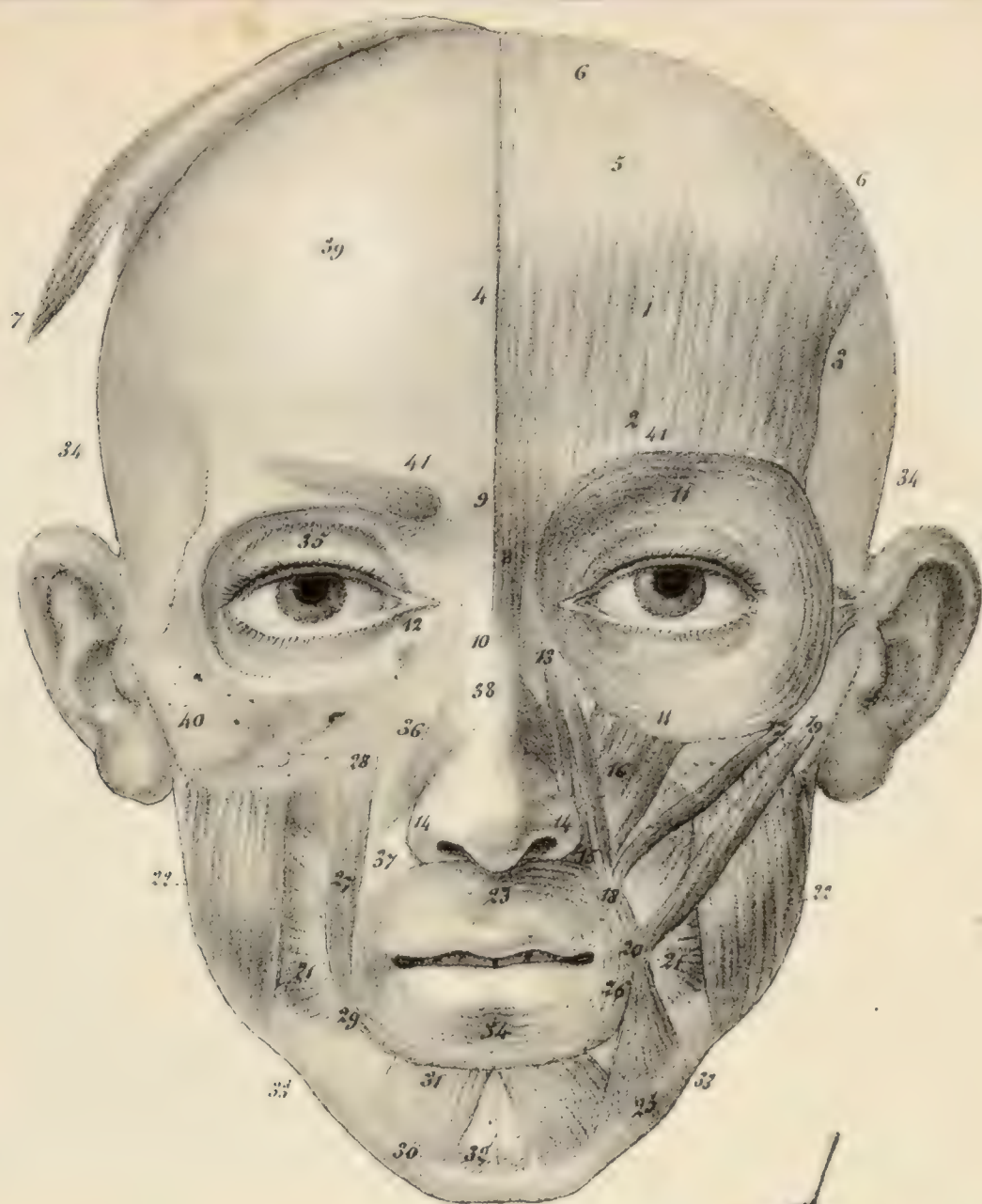


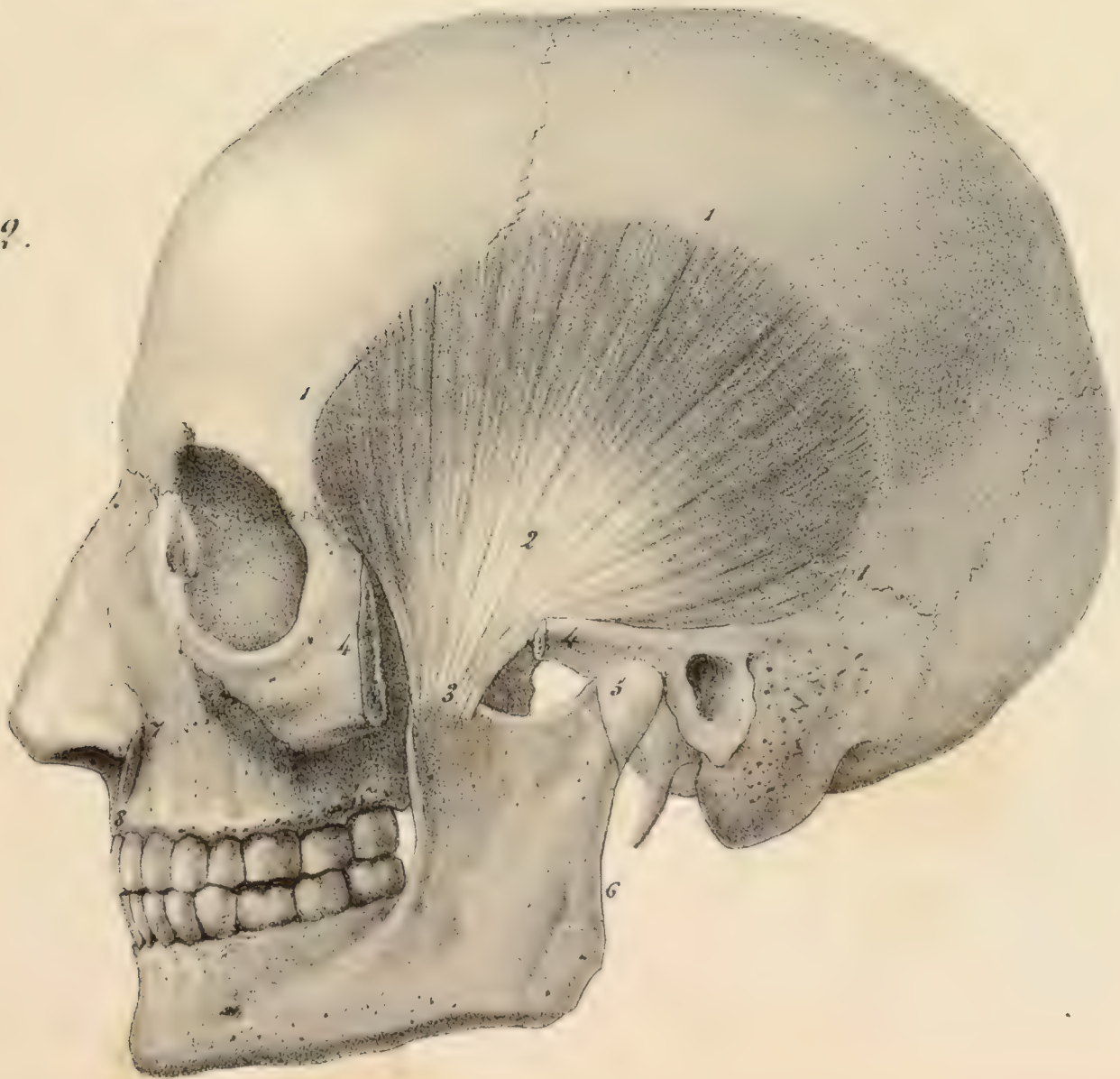
Fig. 2.



Fig. 1.



Fig. 2.





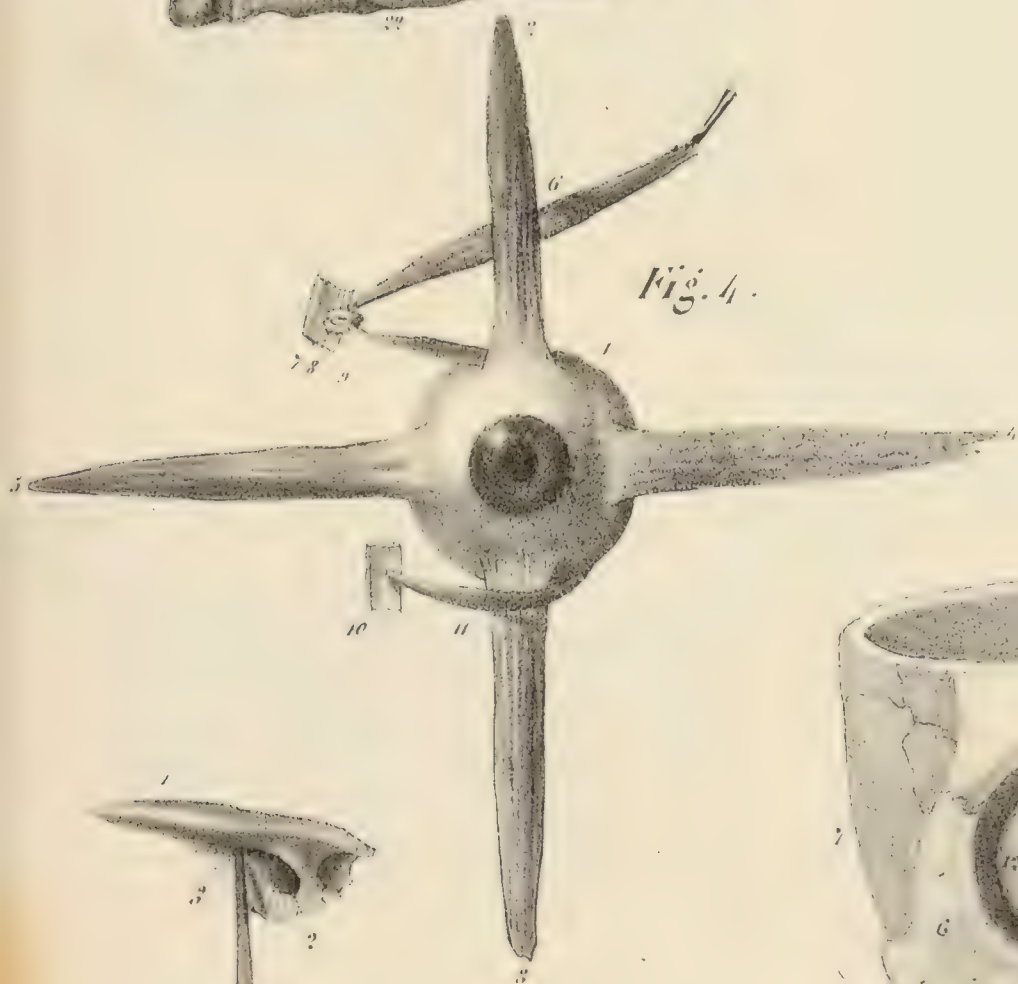
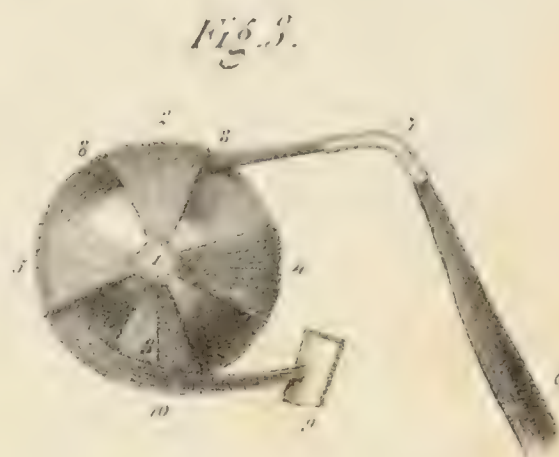
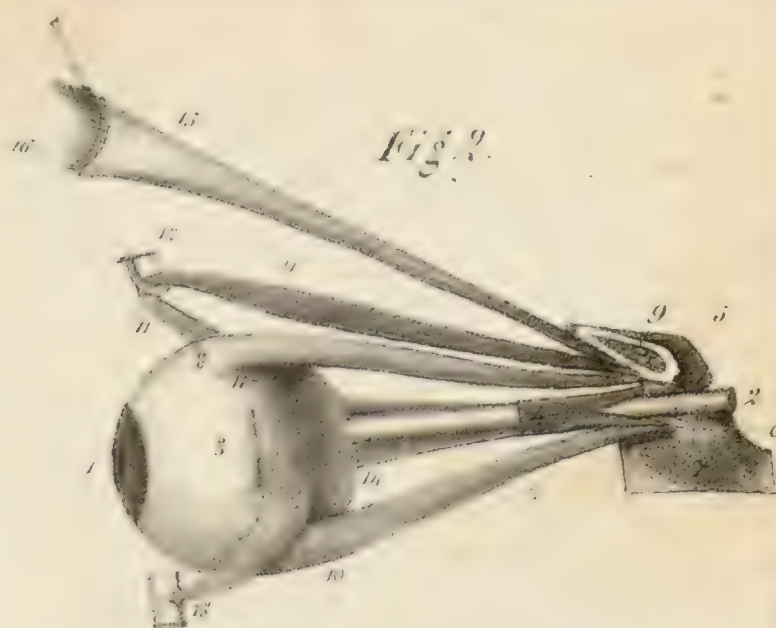
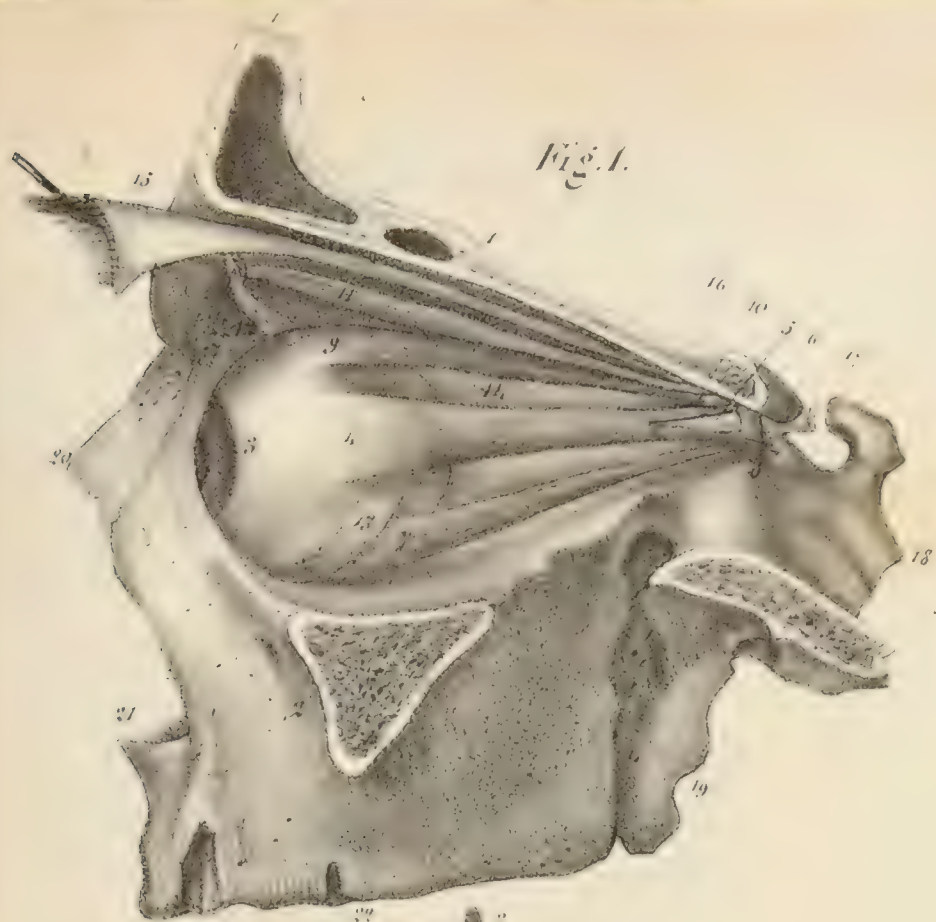


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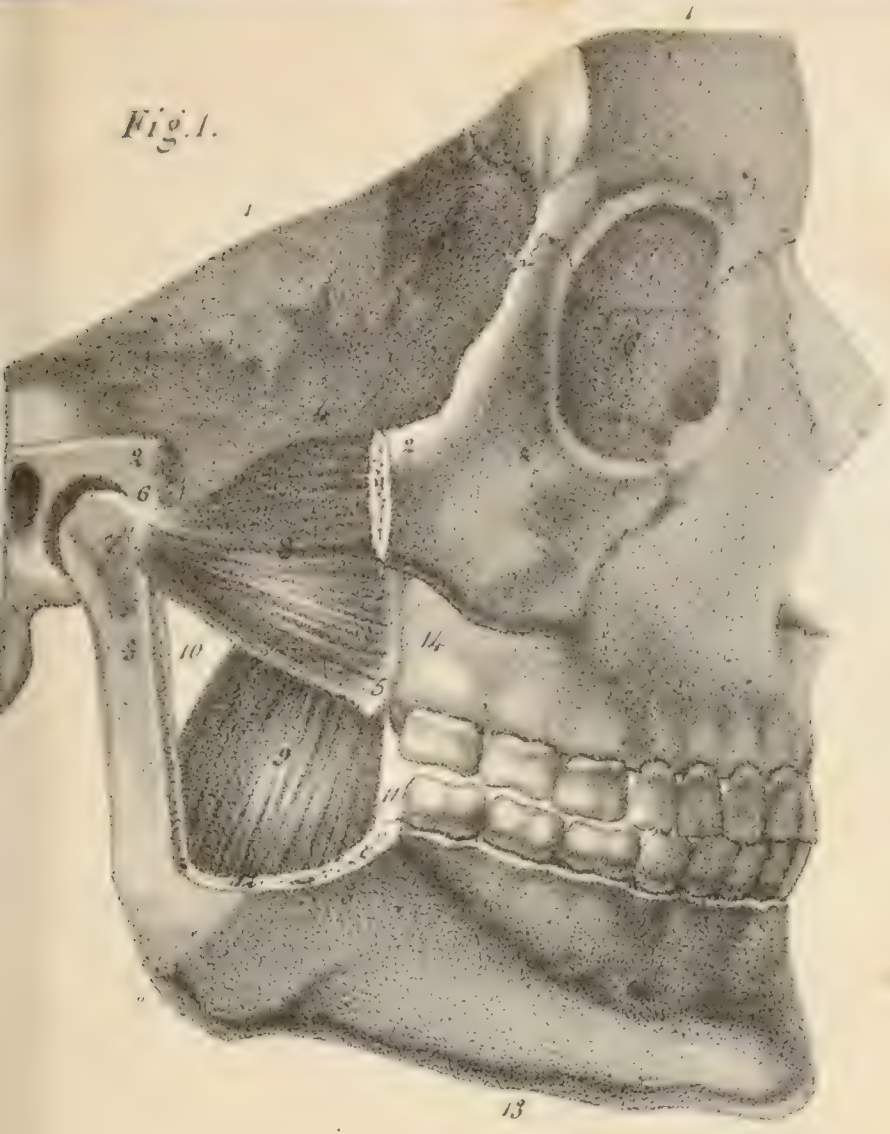


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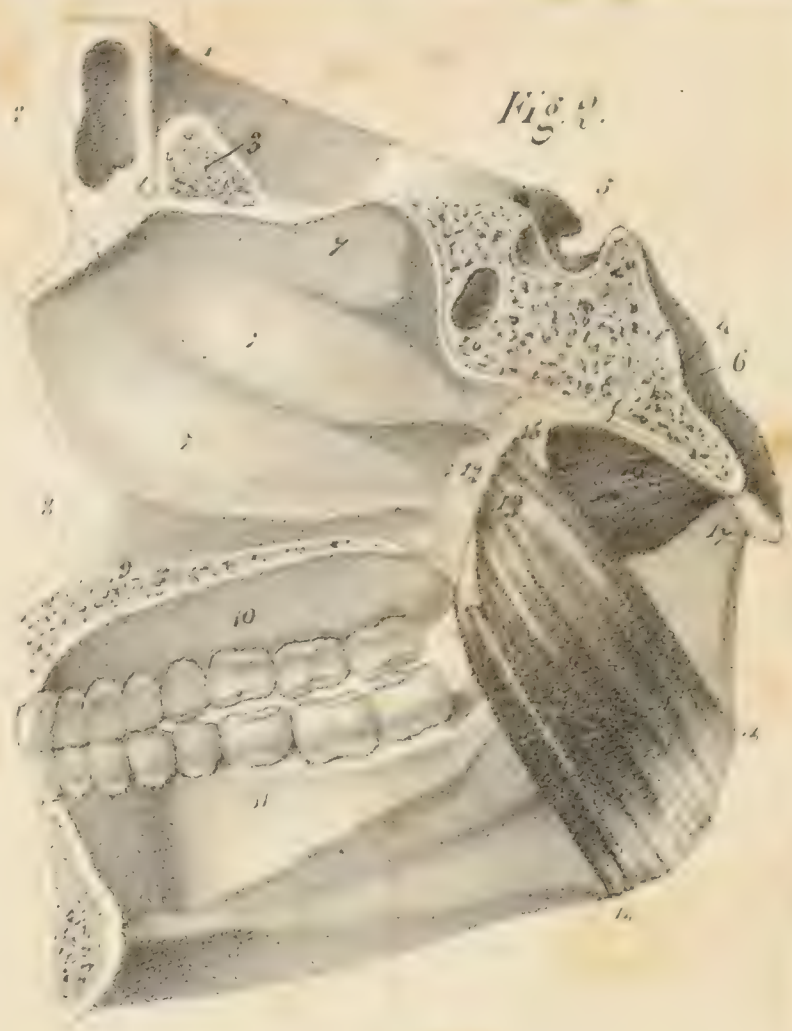


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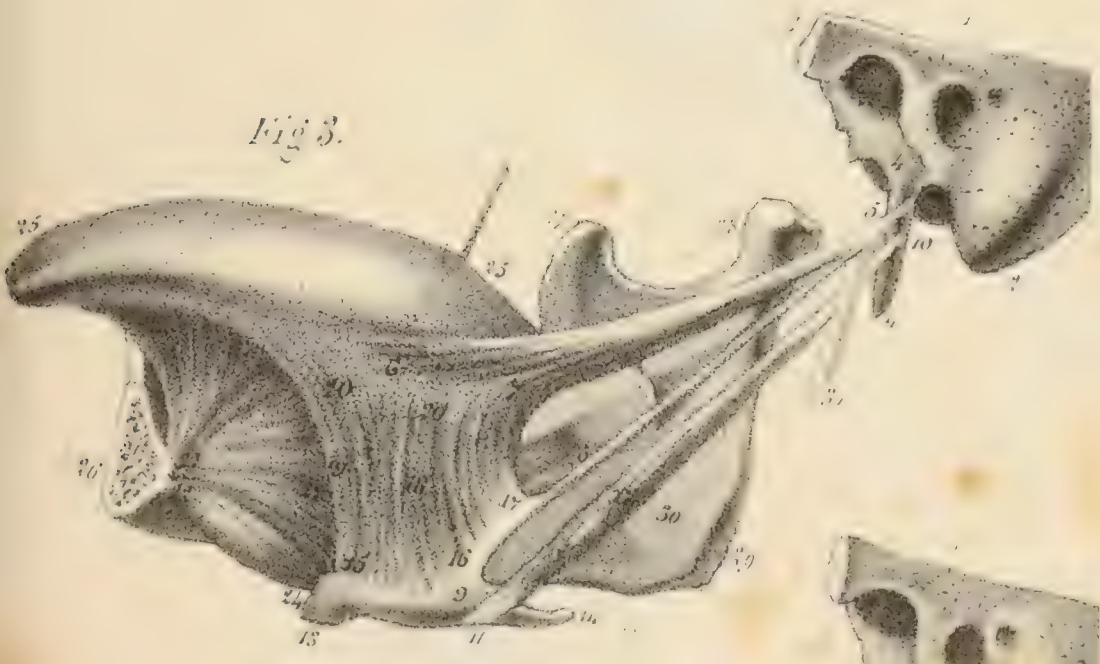


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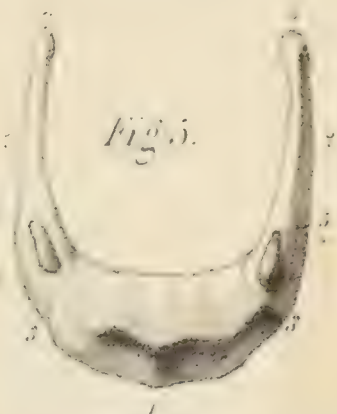


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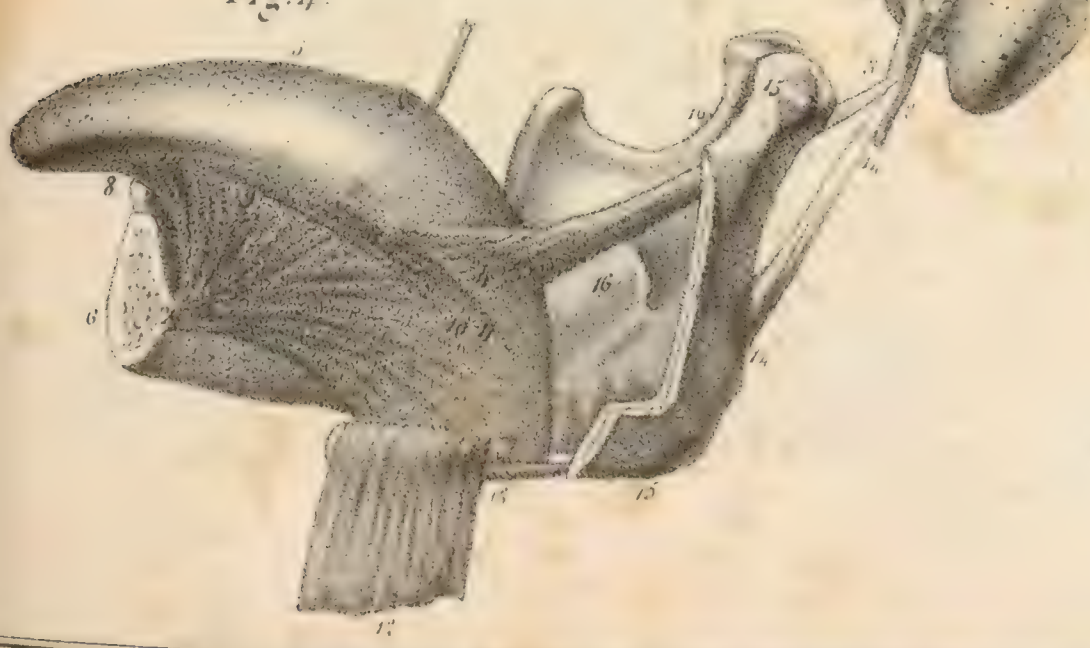


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Fig. 7.



Fig. 8.

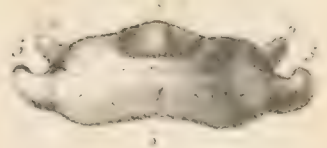


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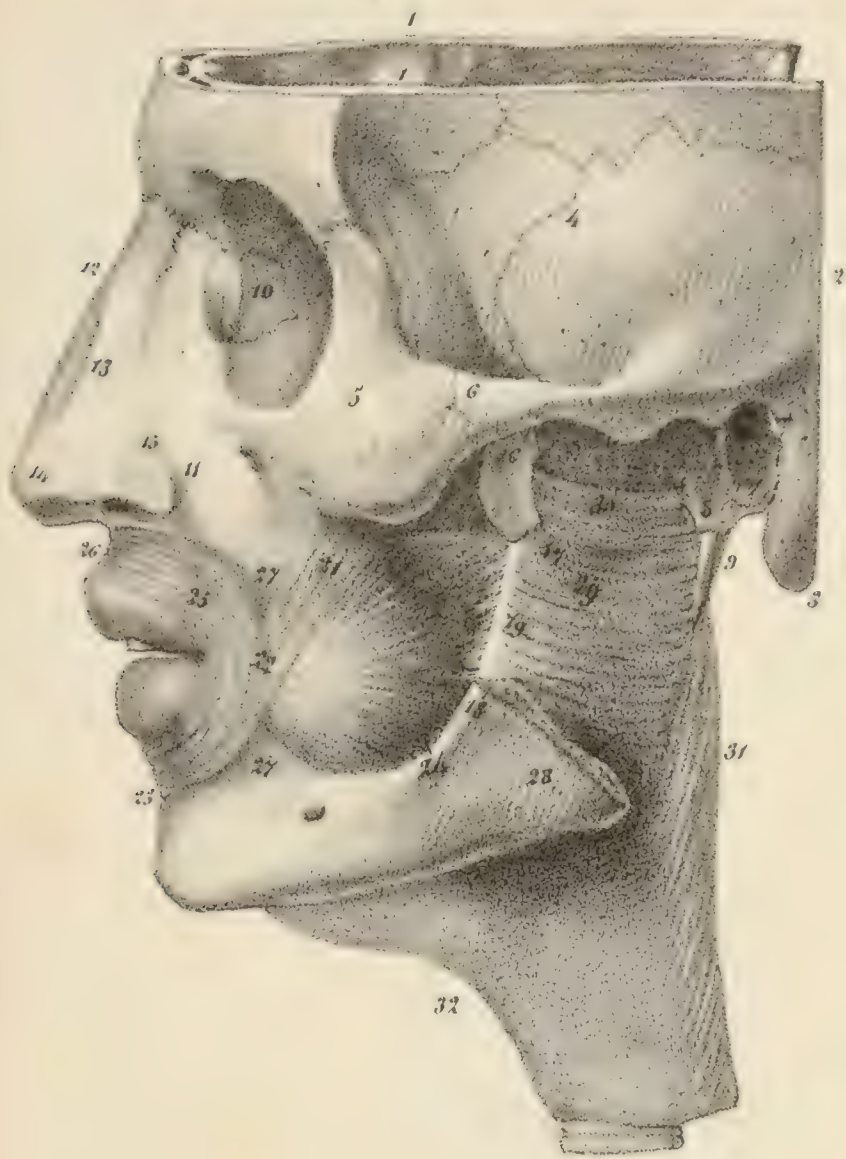


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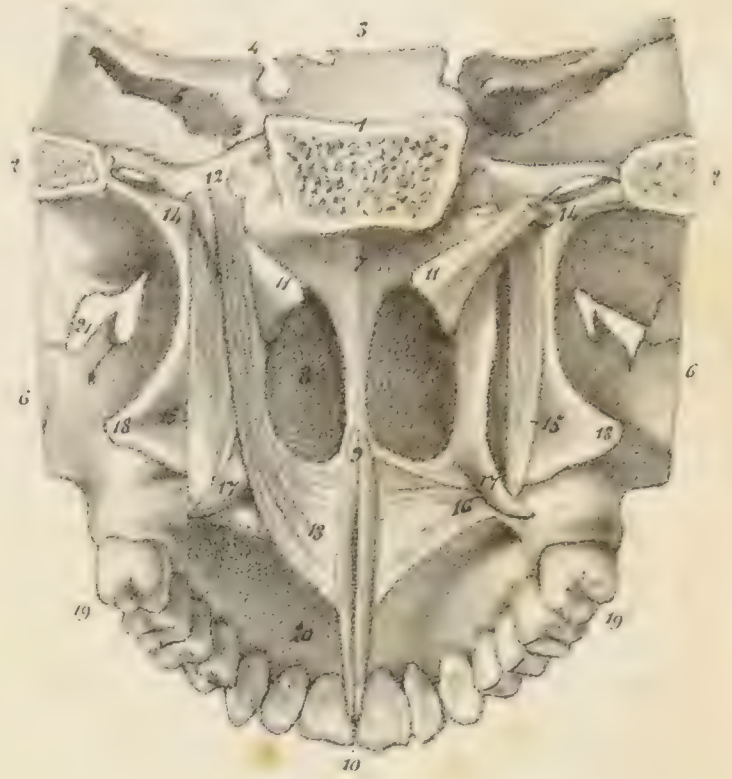


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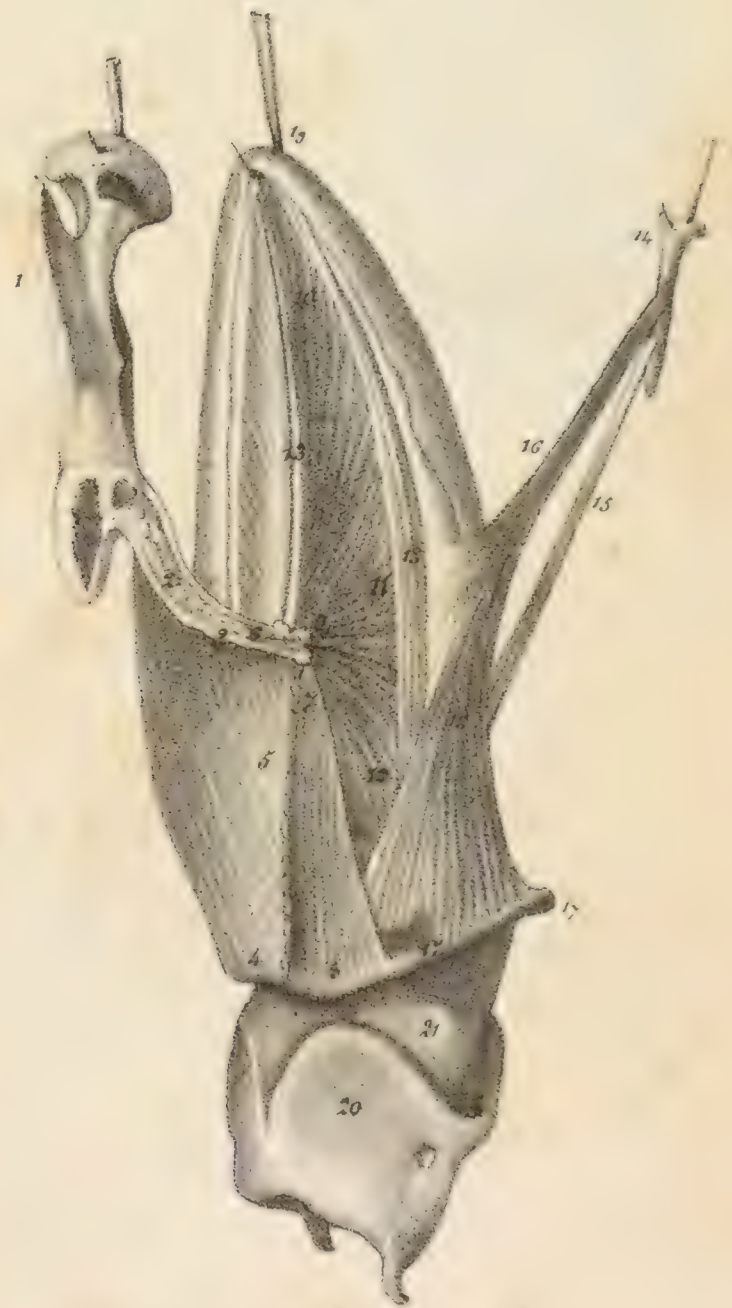


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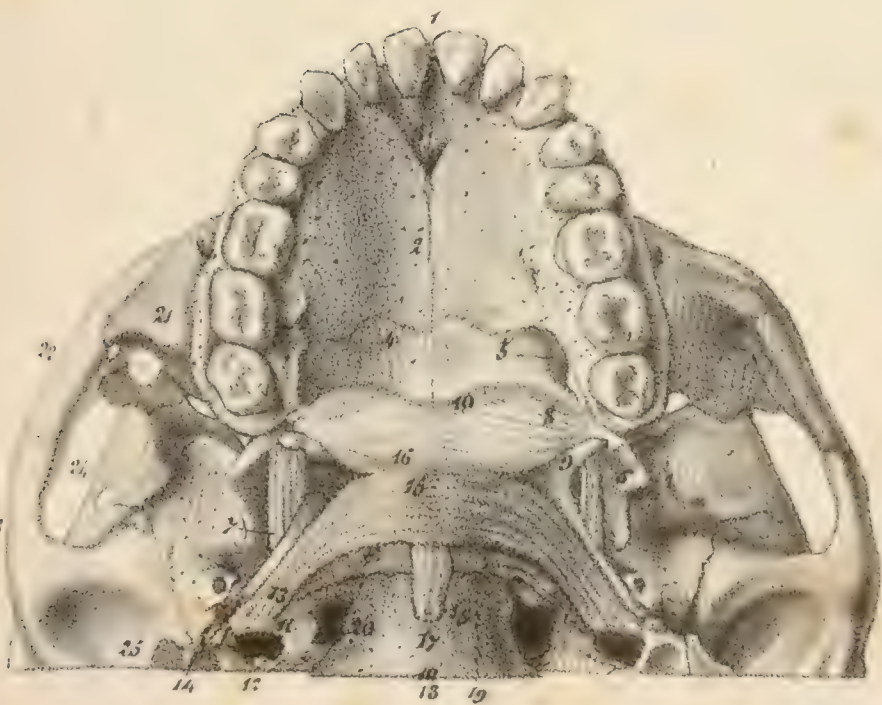




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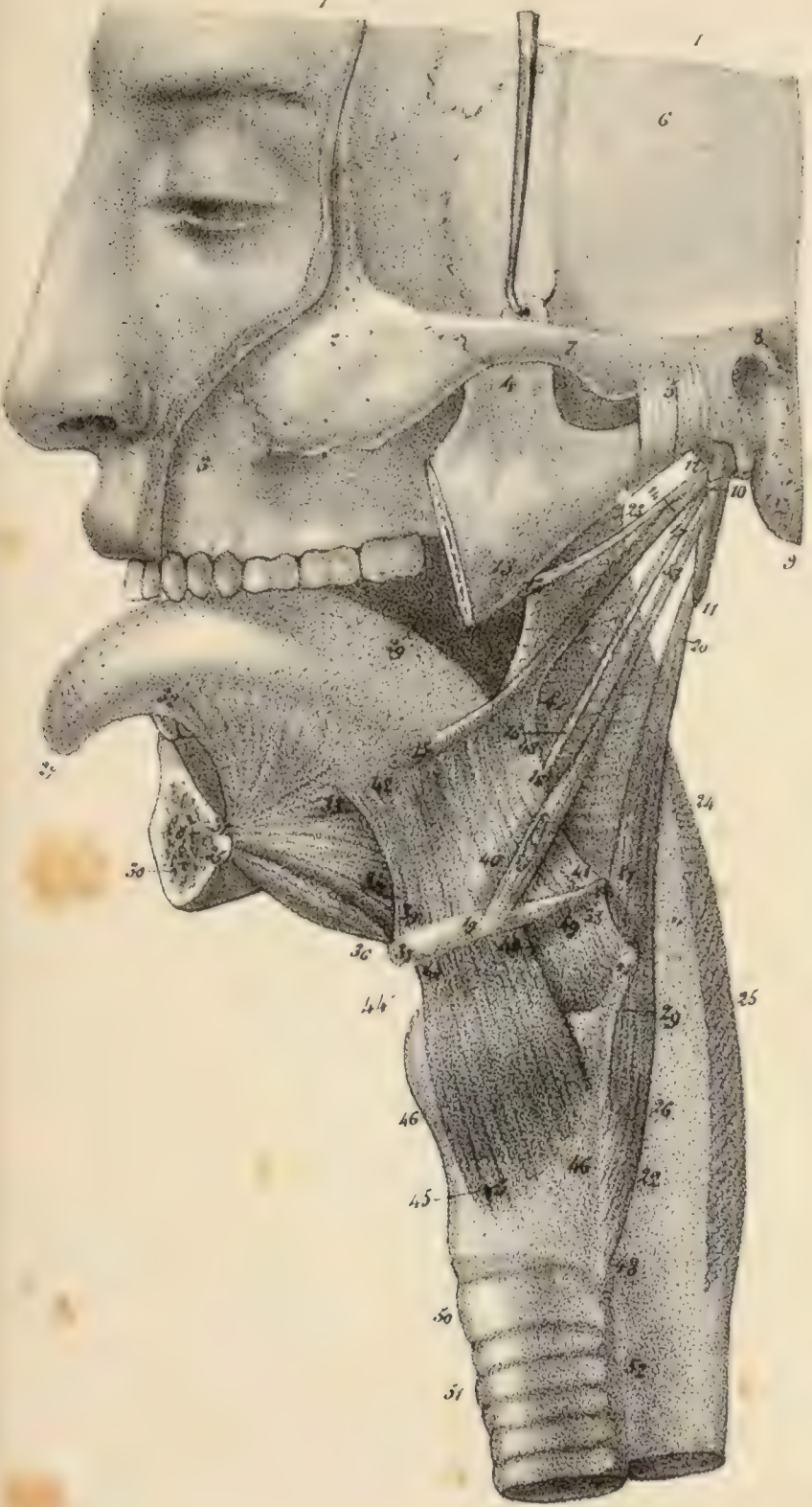


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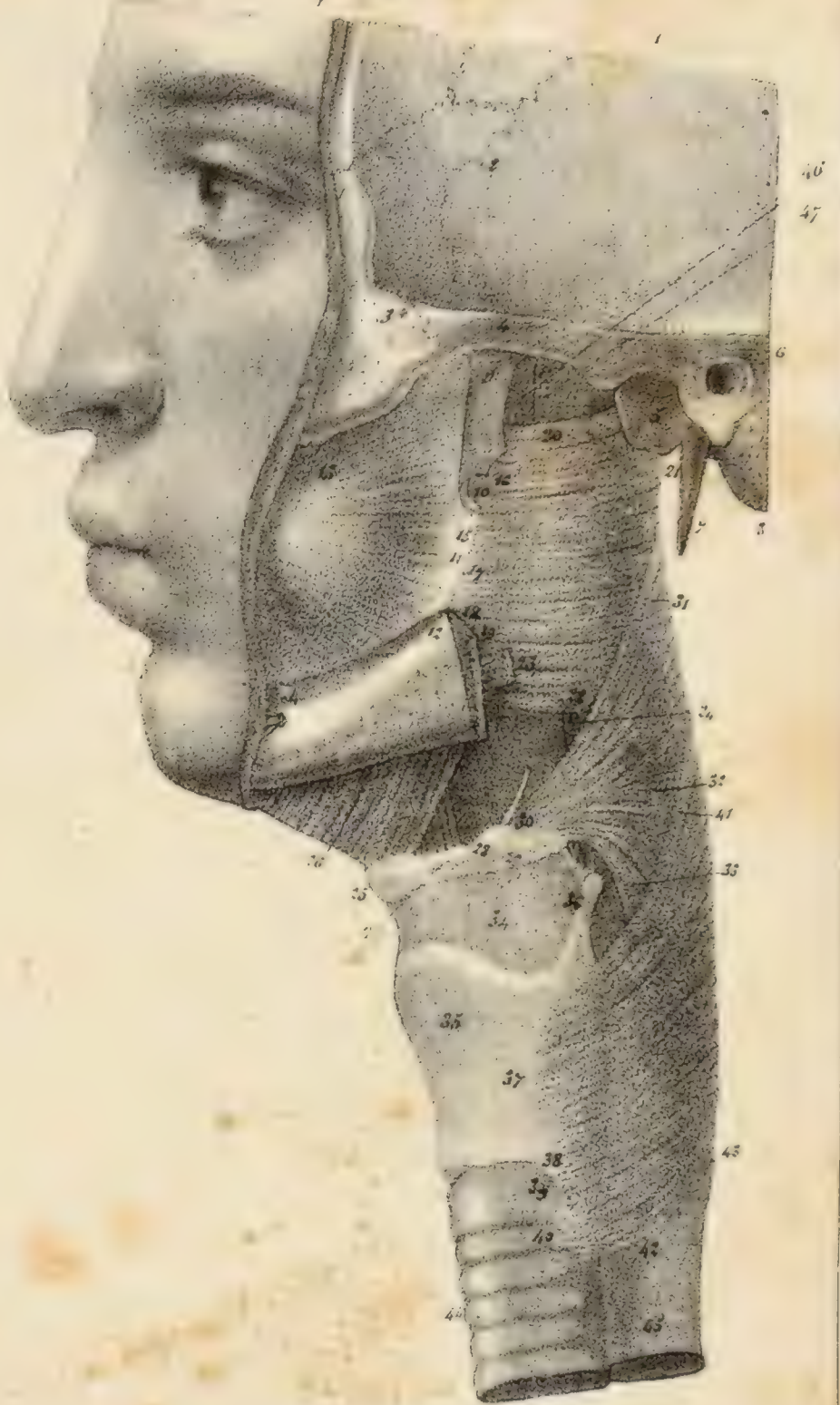


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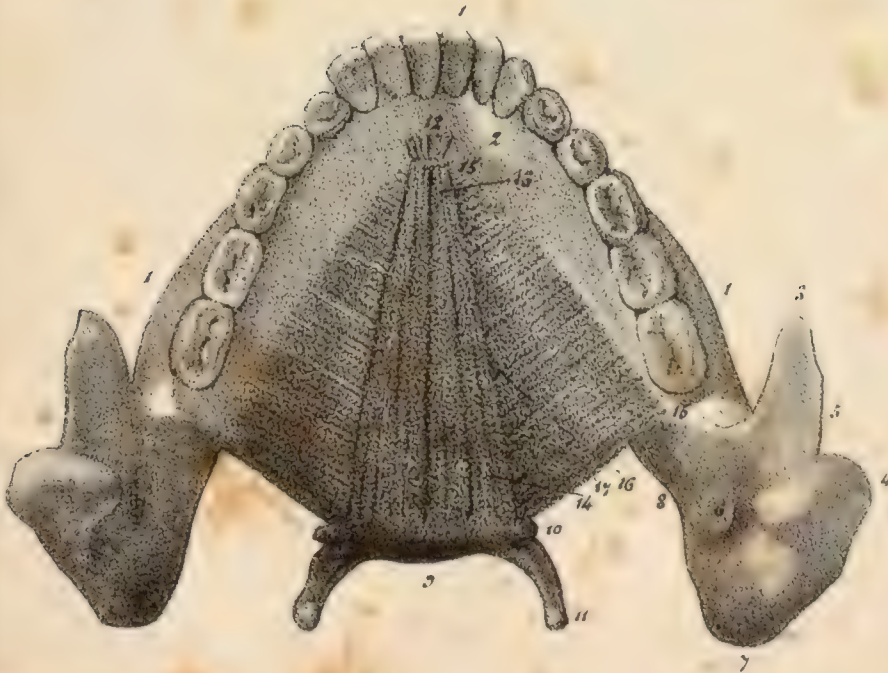


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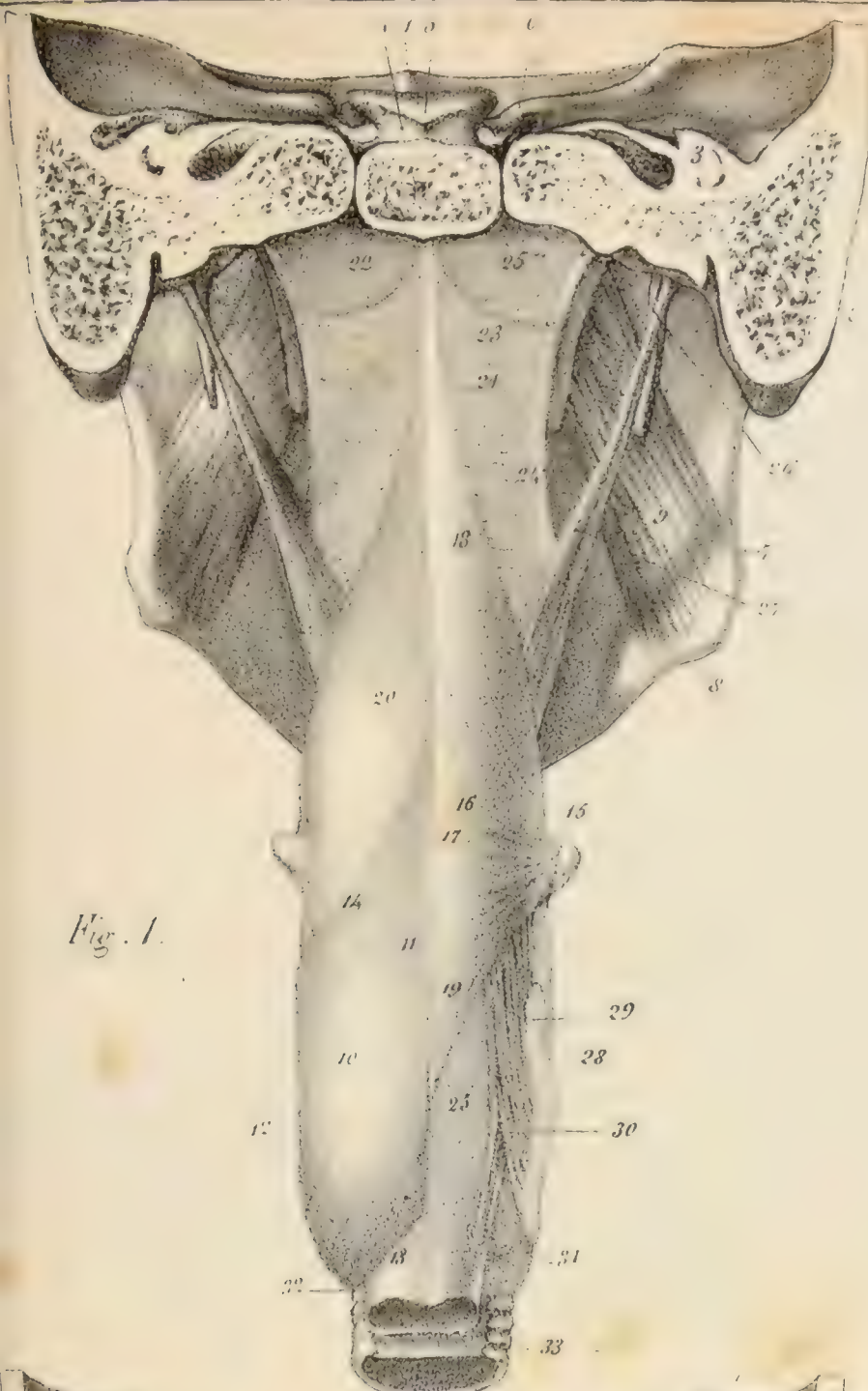


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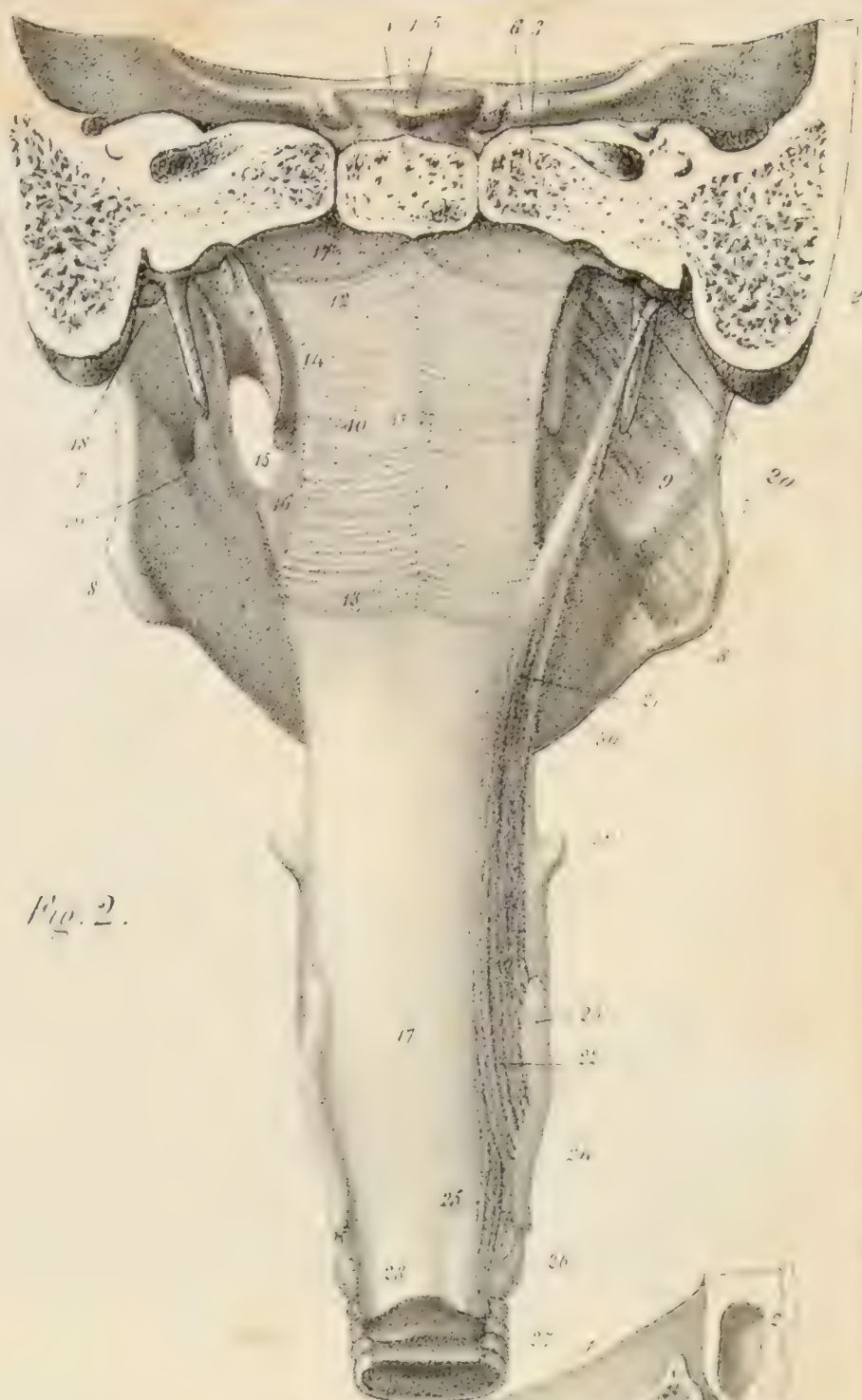


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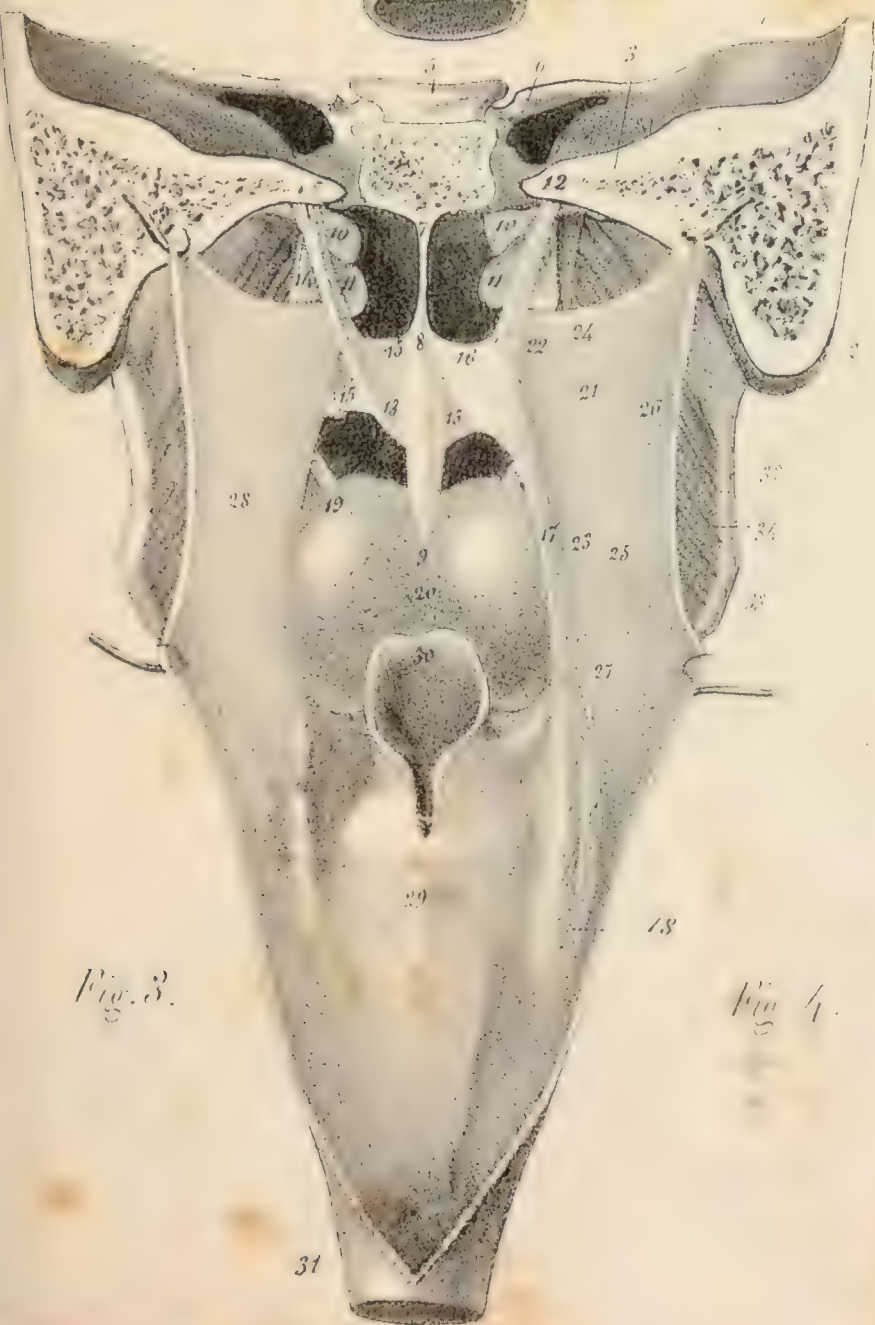


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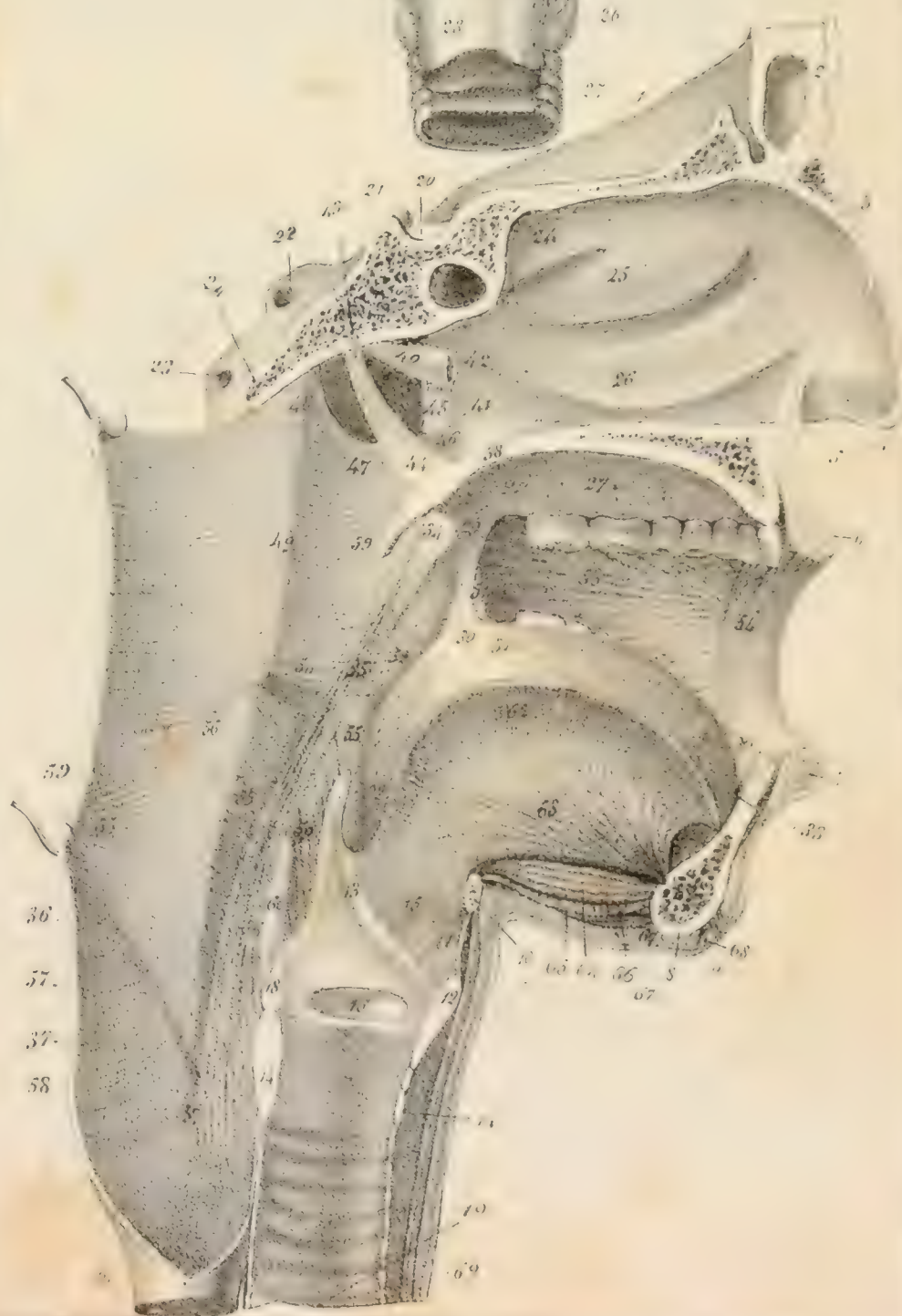


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Fig. 1

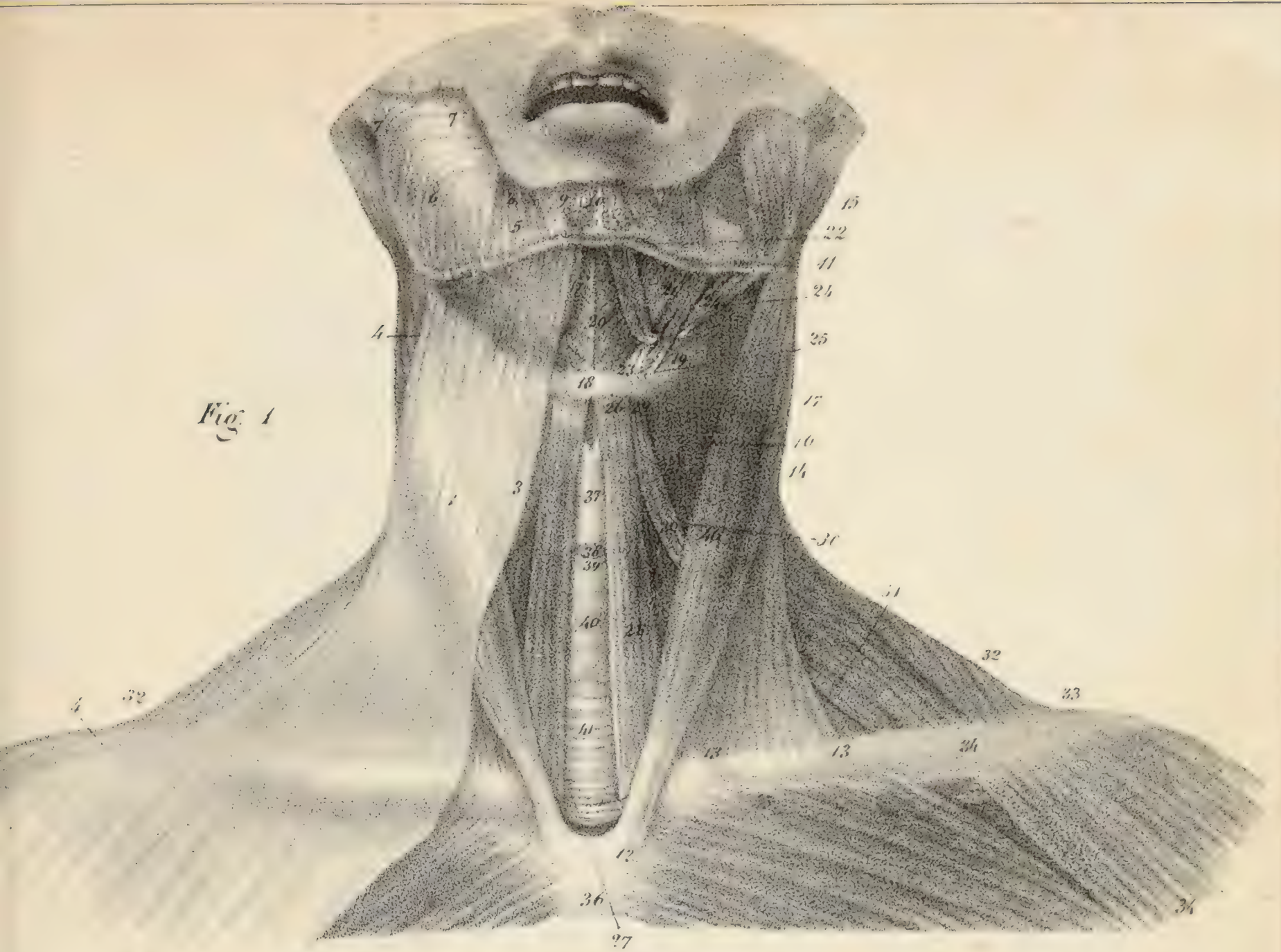


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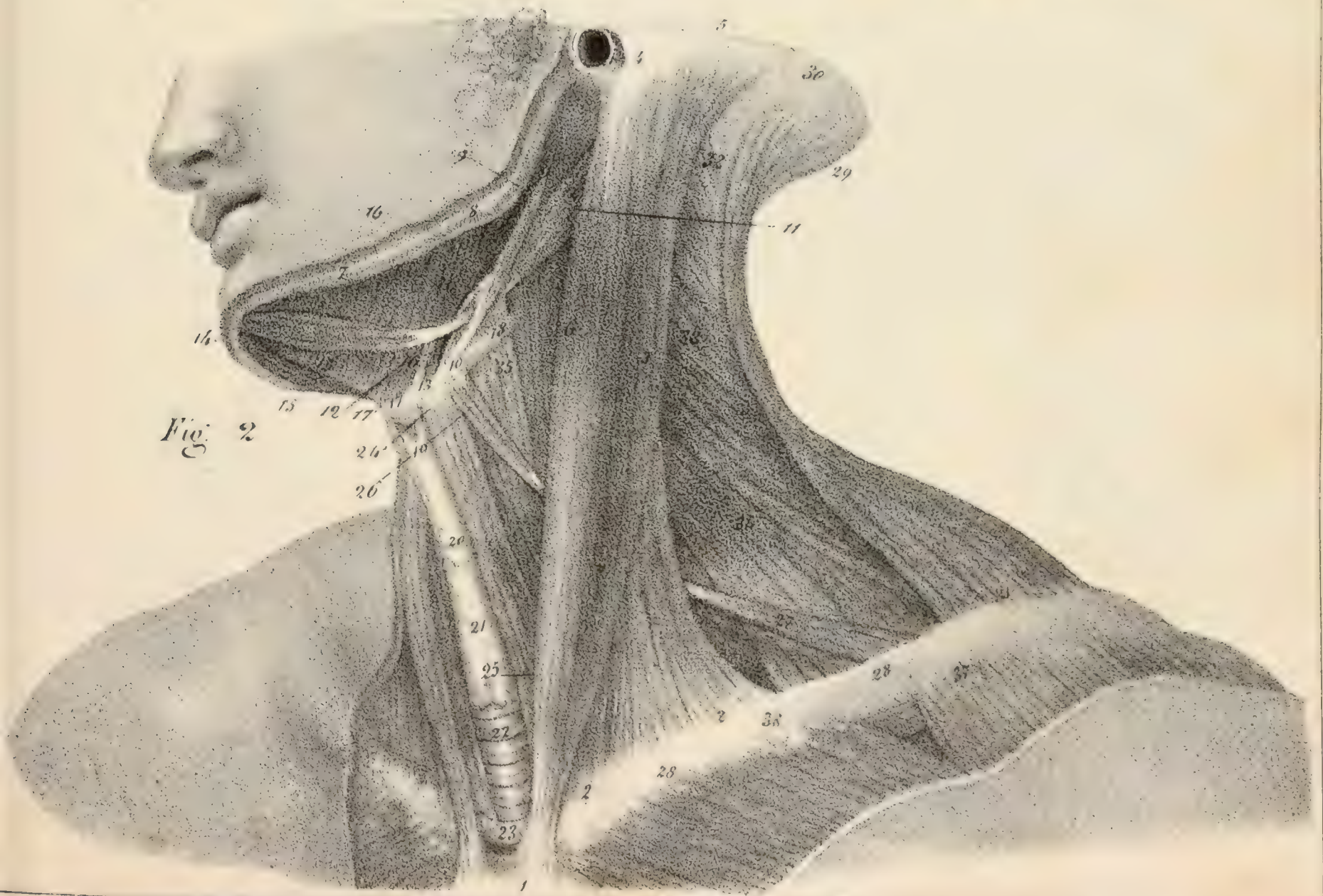




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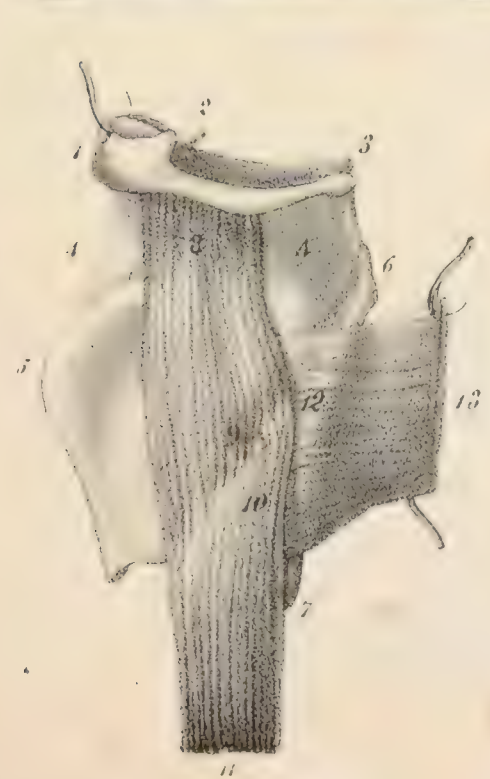


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Fig. 3.



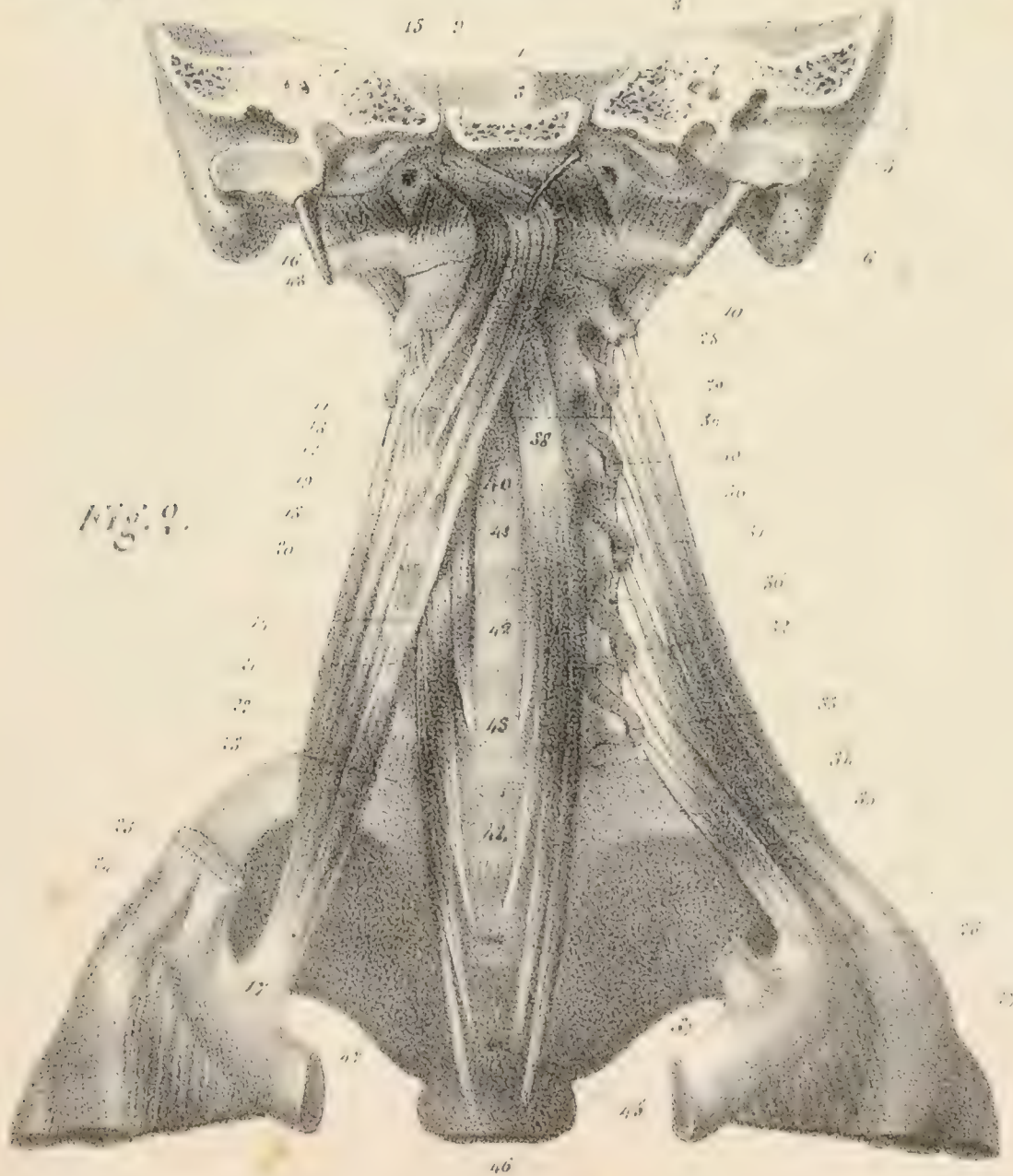
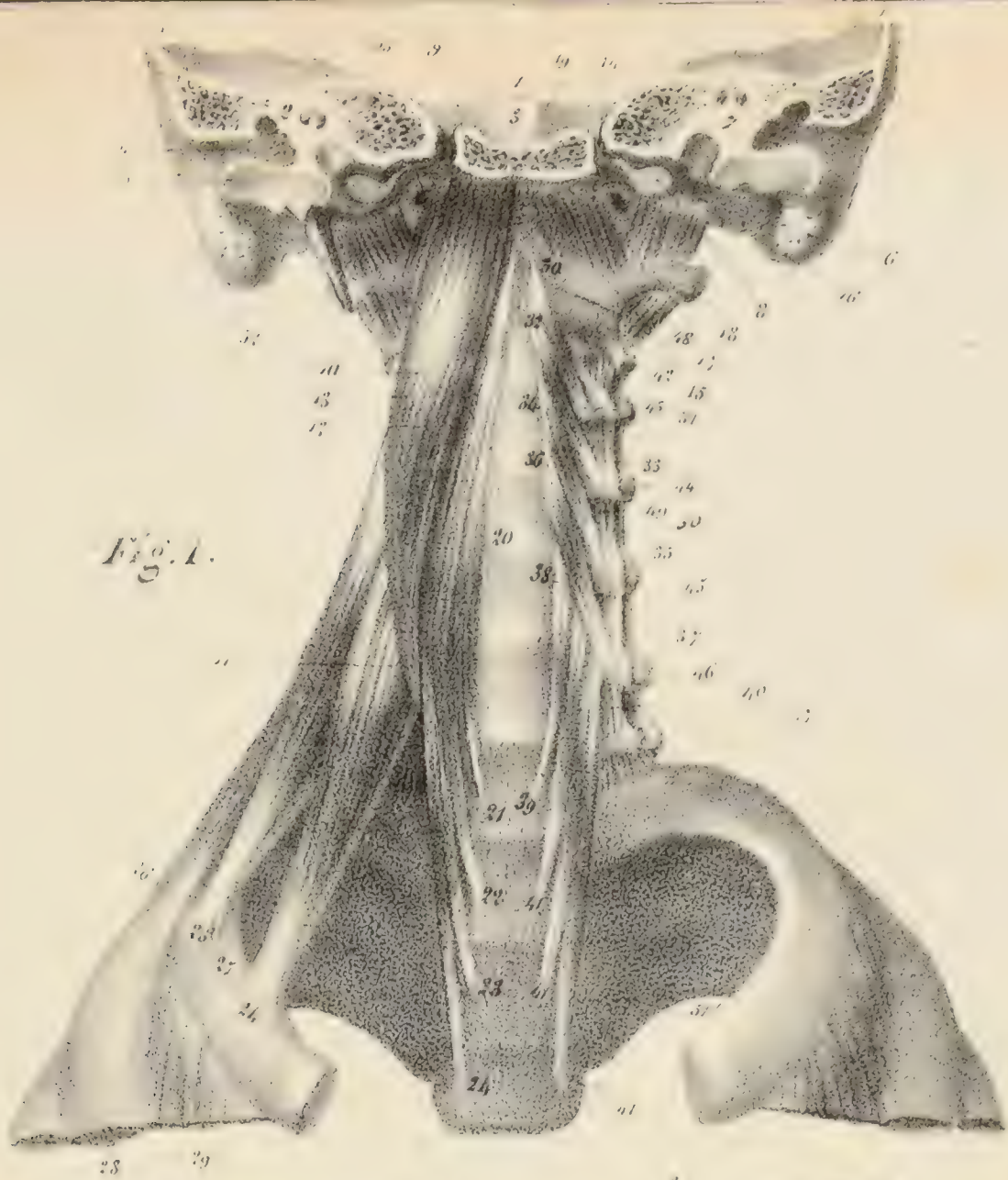


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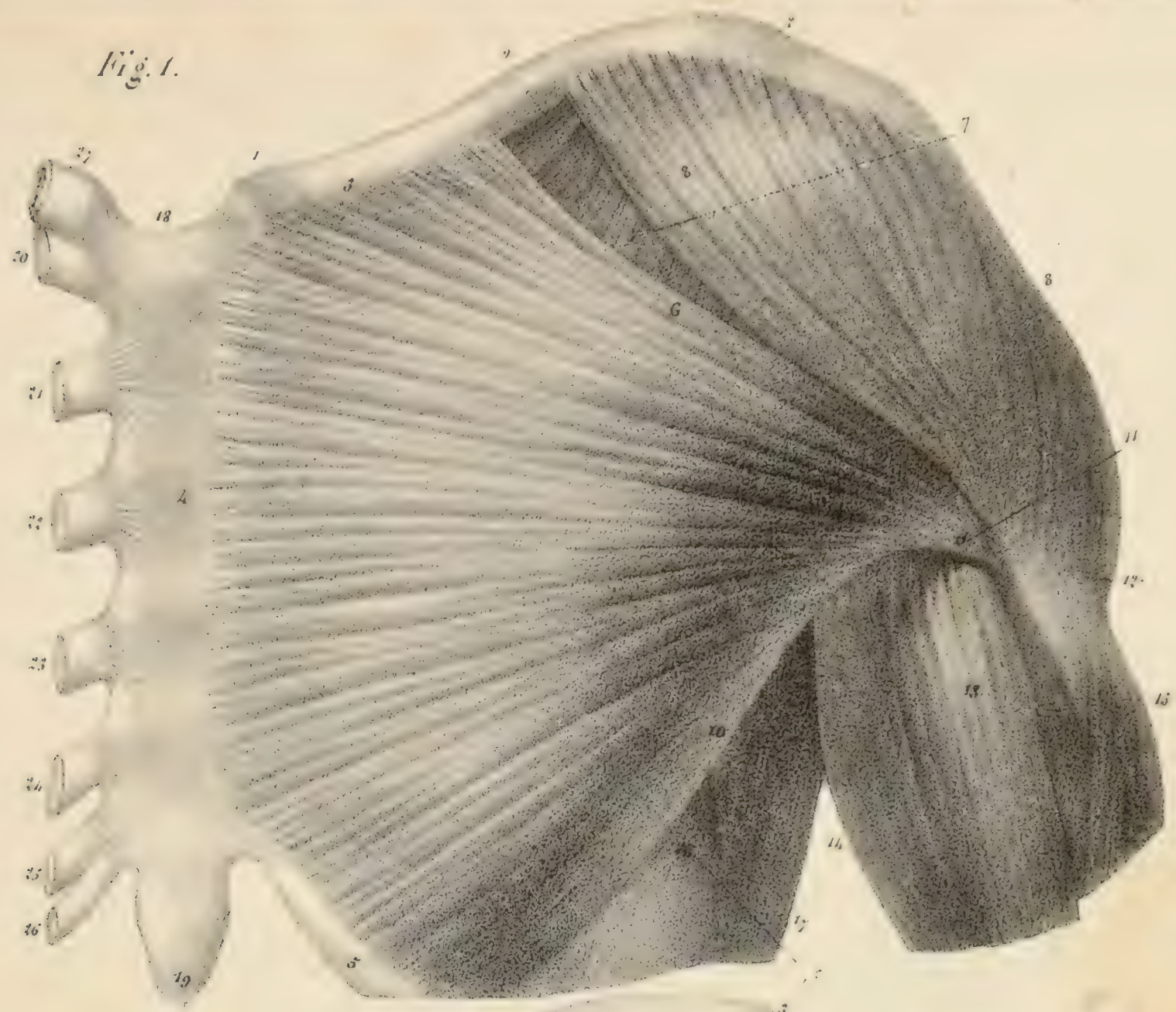
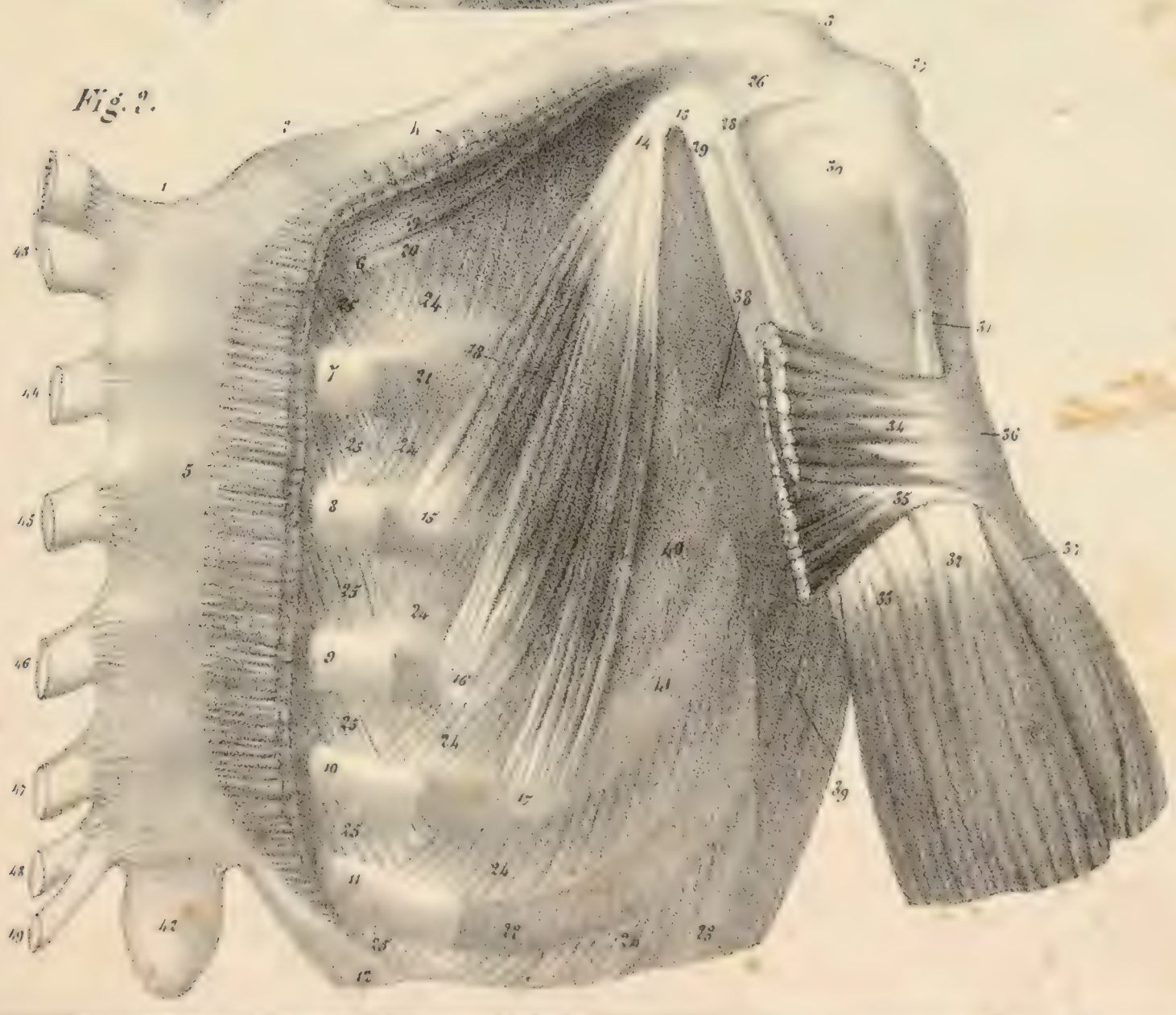


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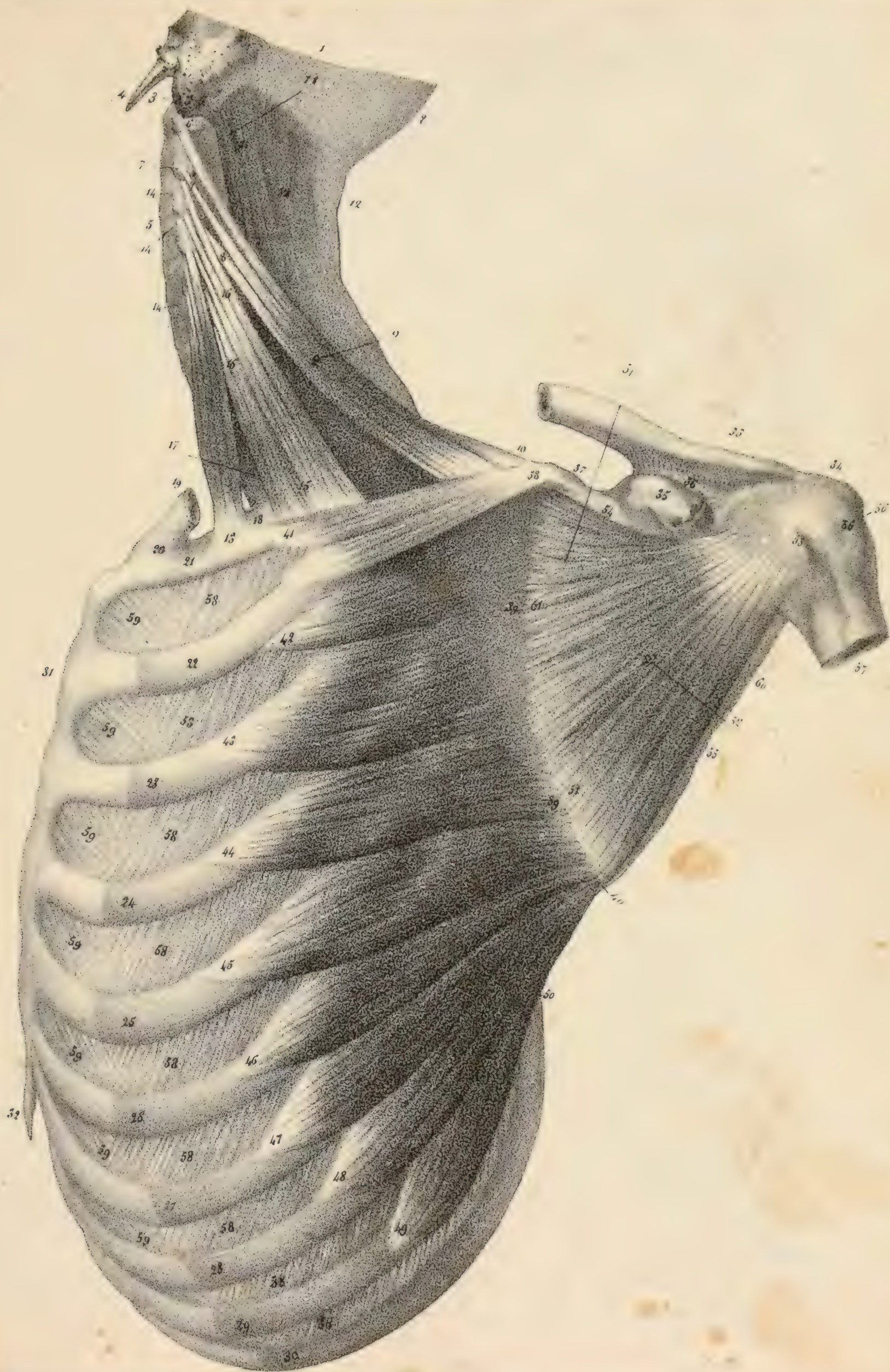




Fig. 1



Fig. 2

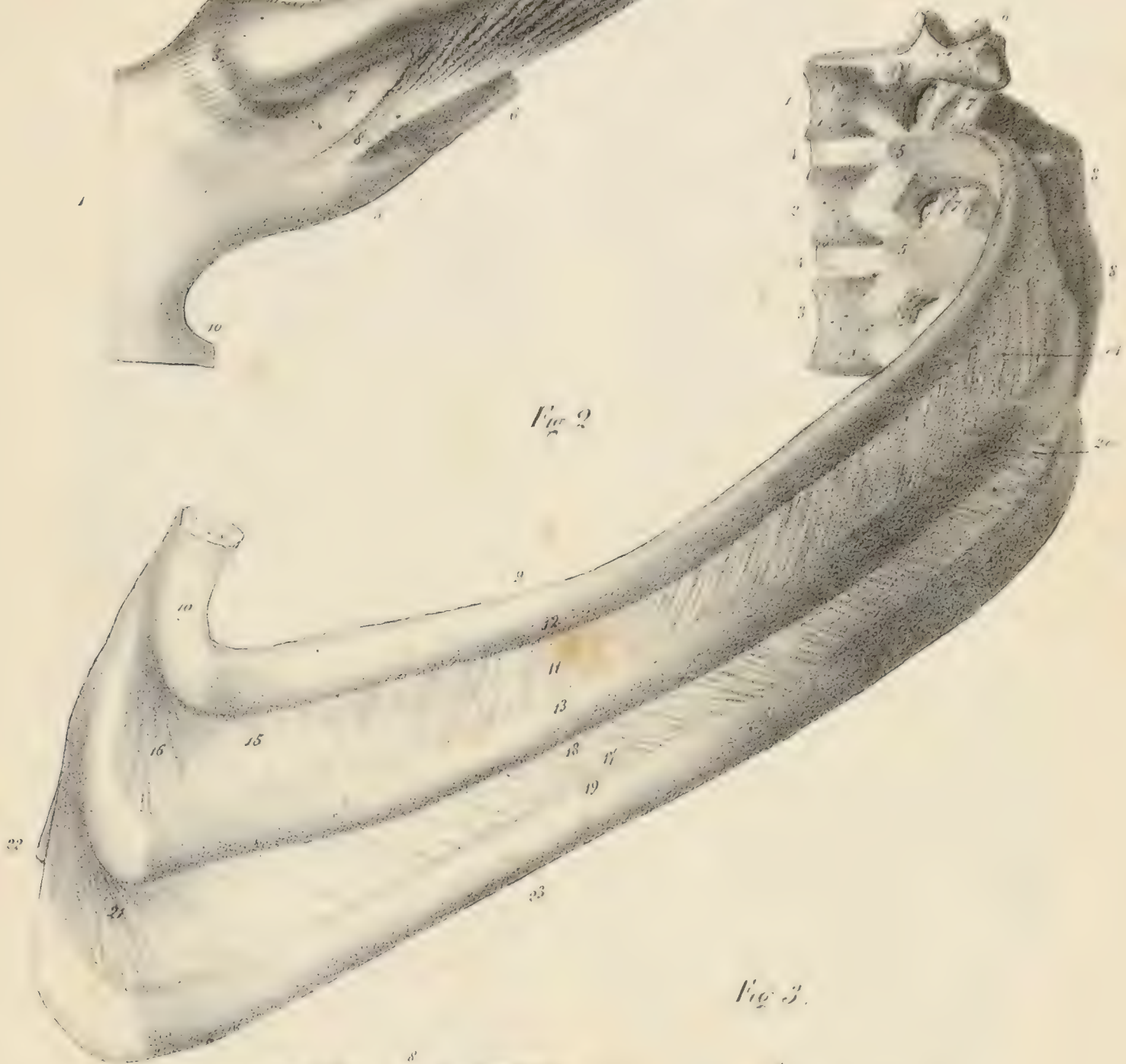
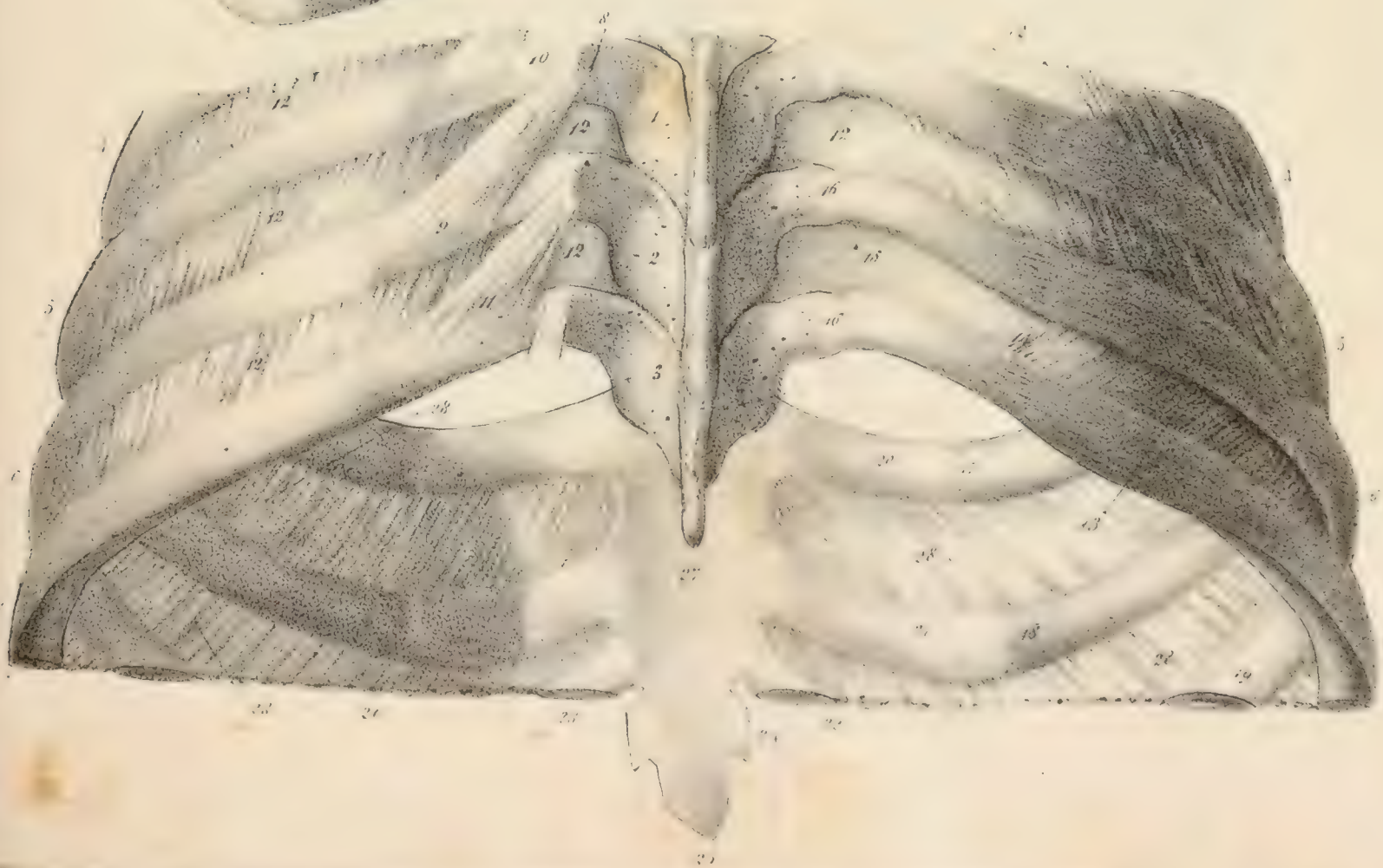
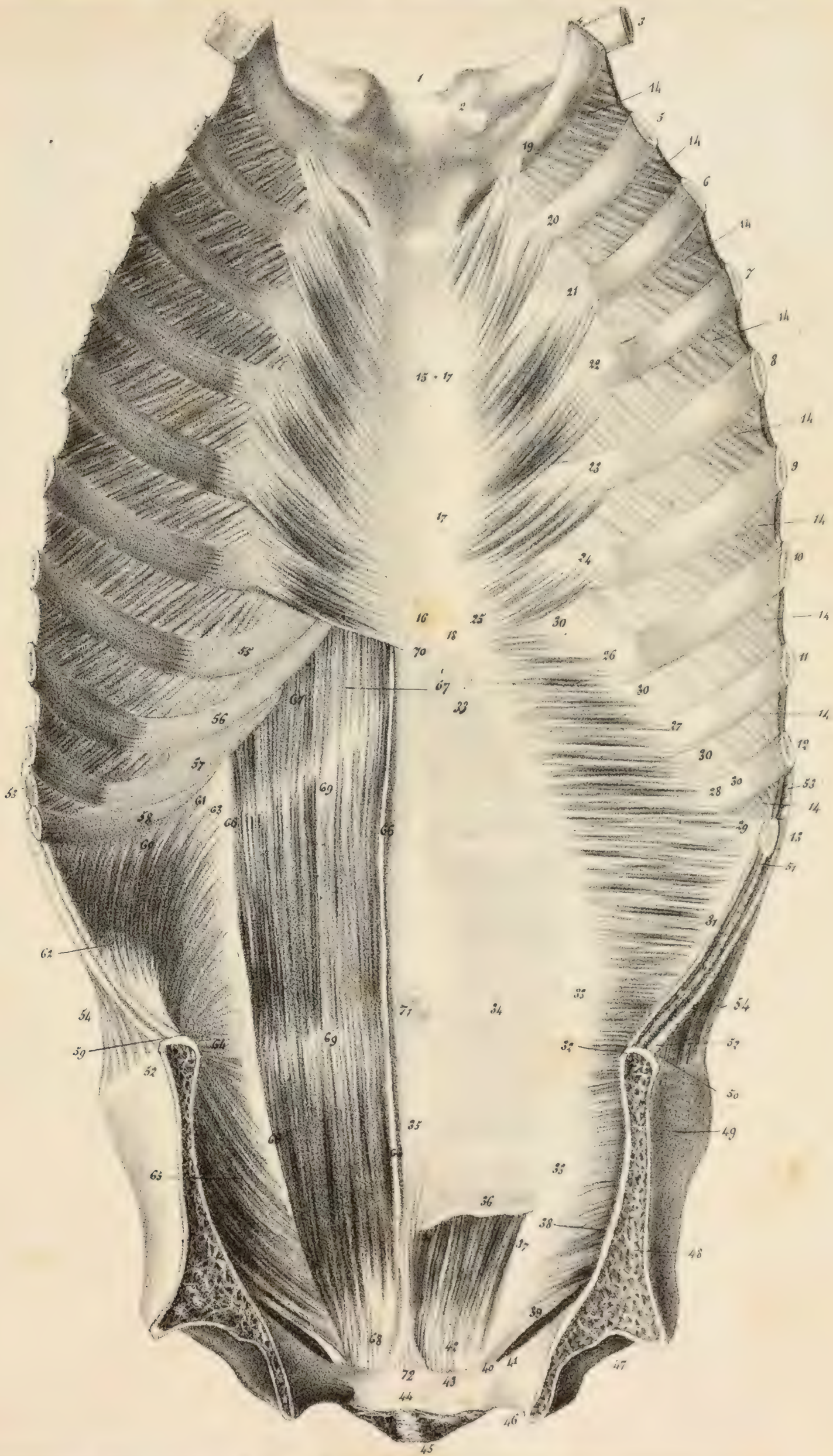
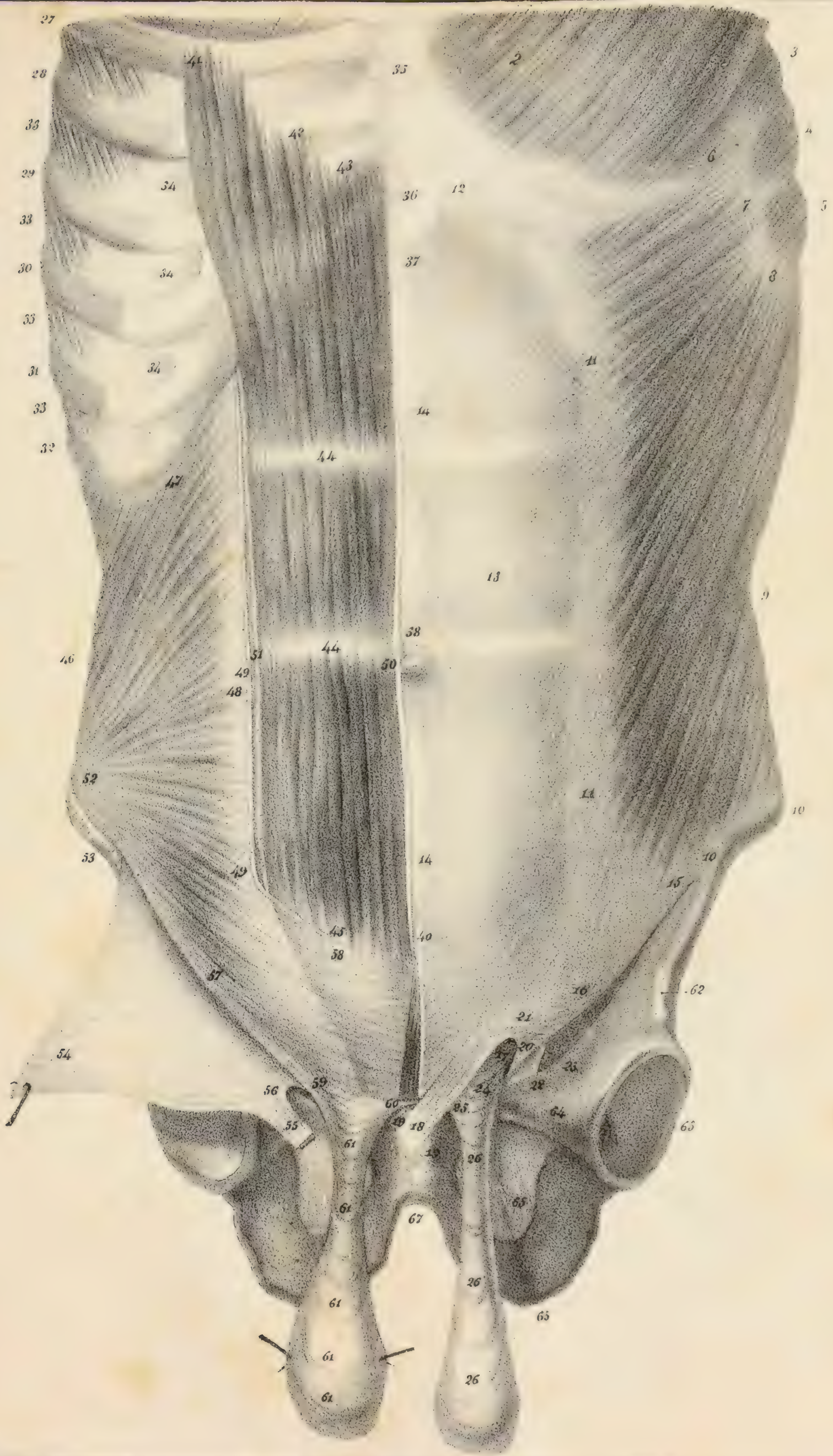
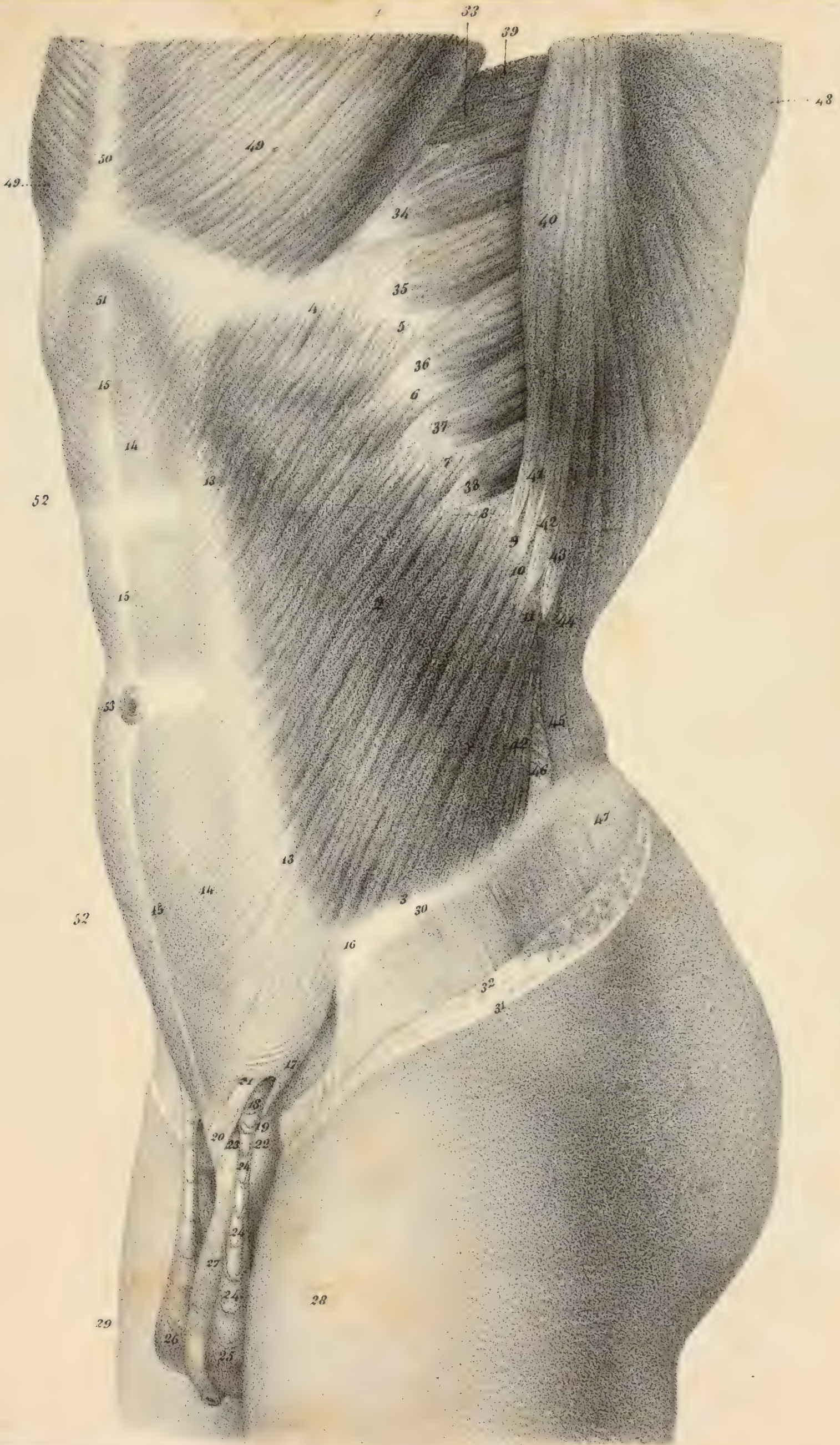


Fig. 3

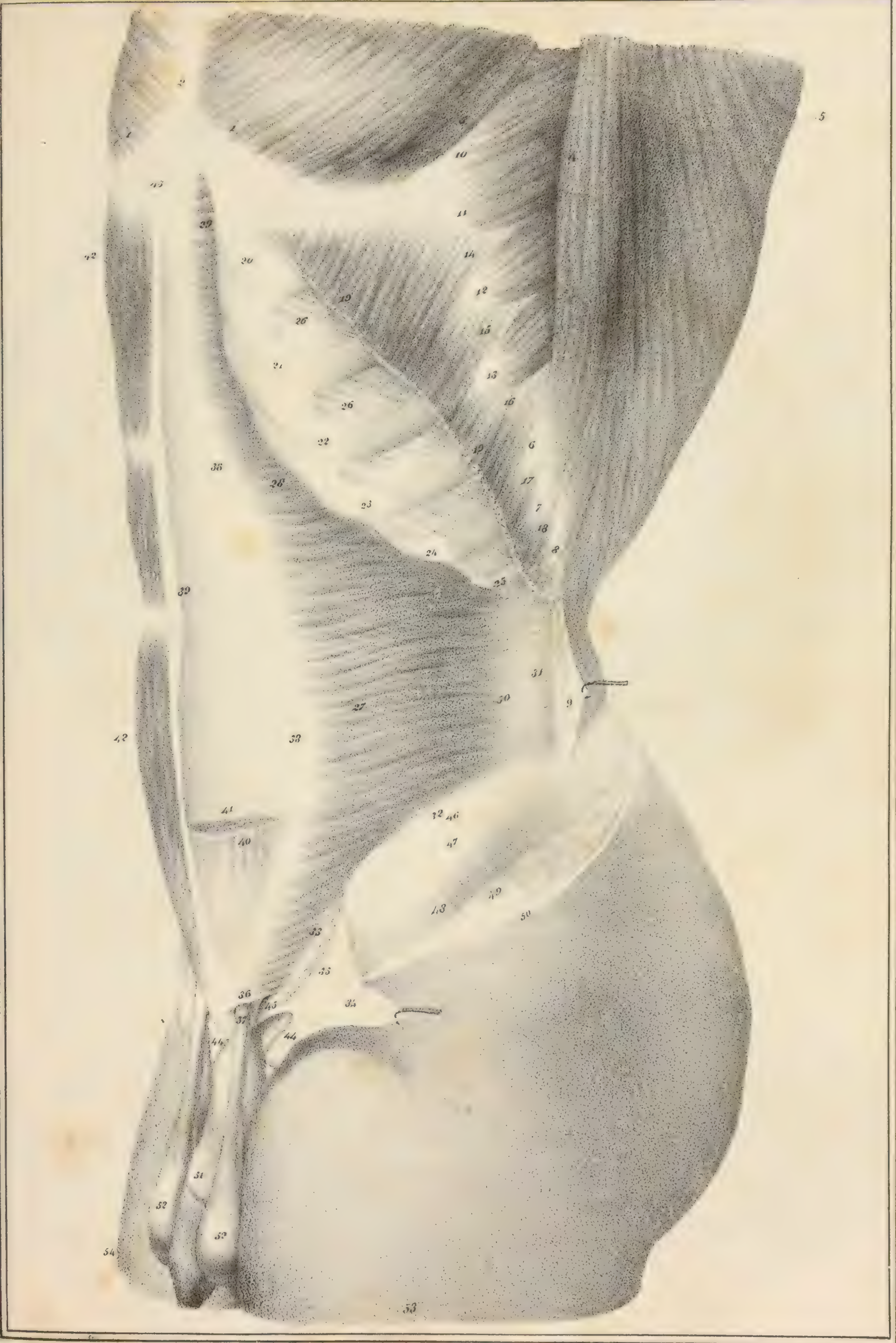




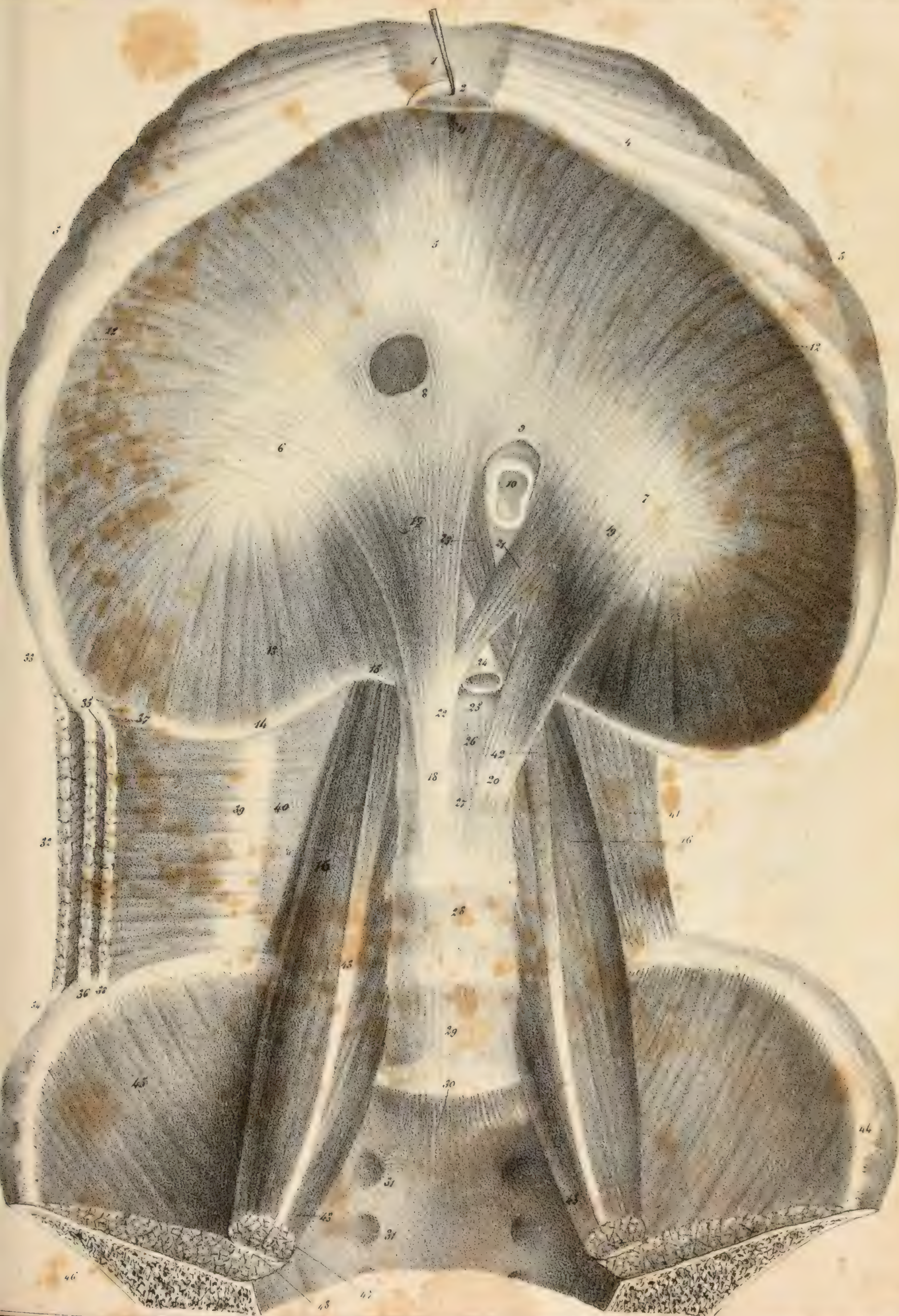














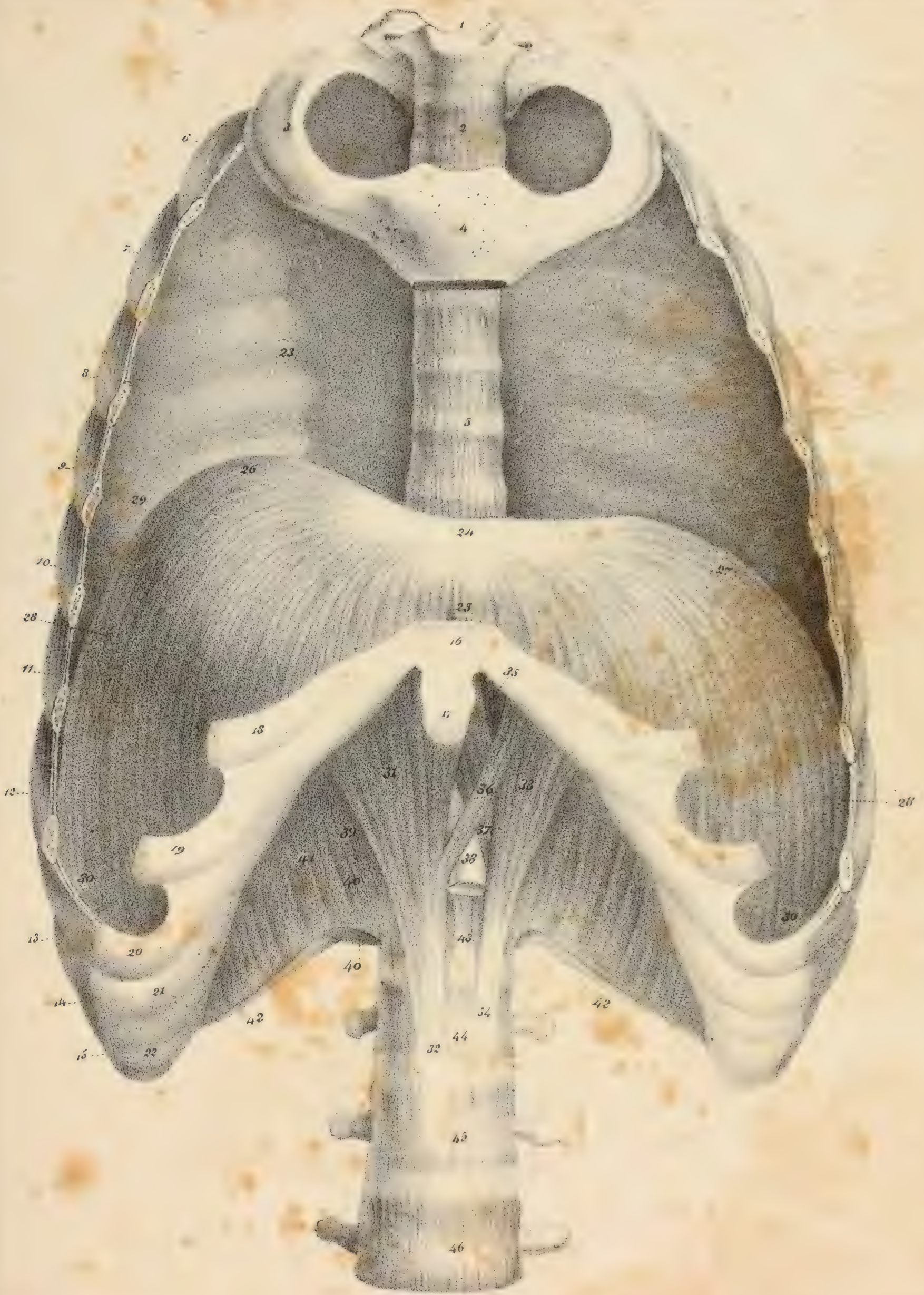


Fig. 1

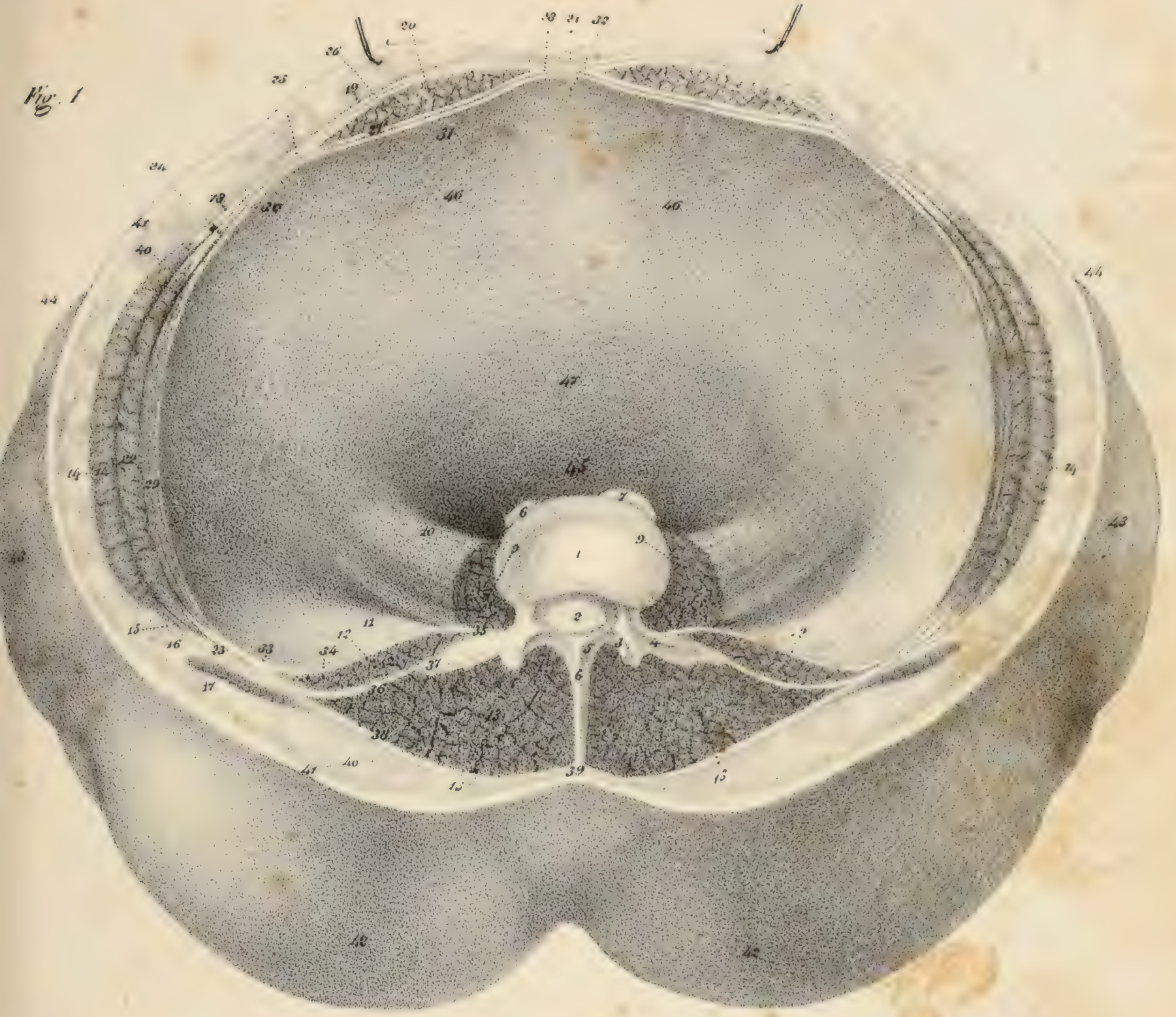


Fig. 2.

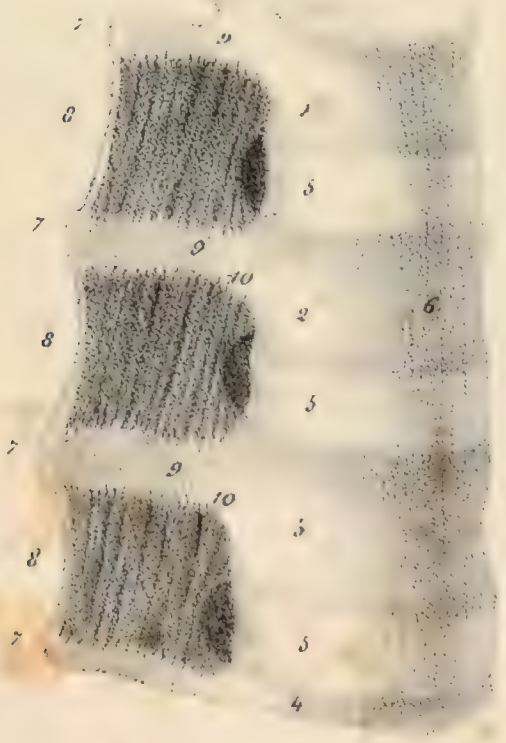




Fig. 1.

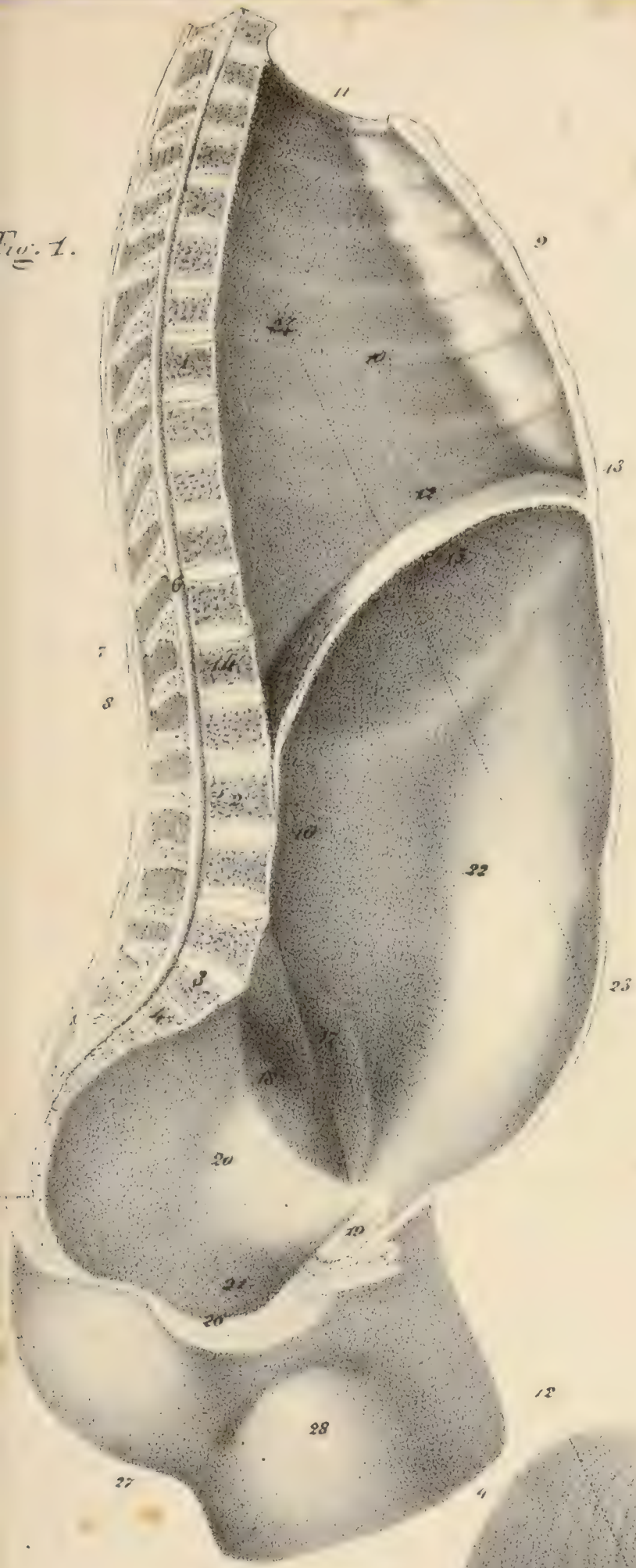


Fig. 2.



Fig. 3





Fig. 2.

9

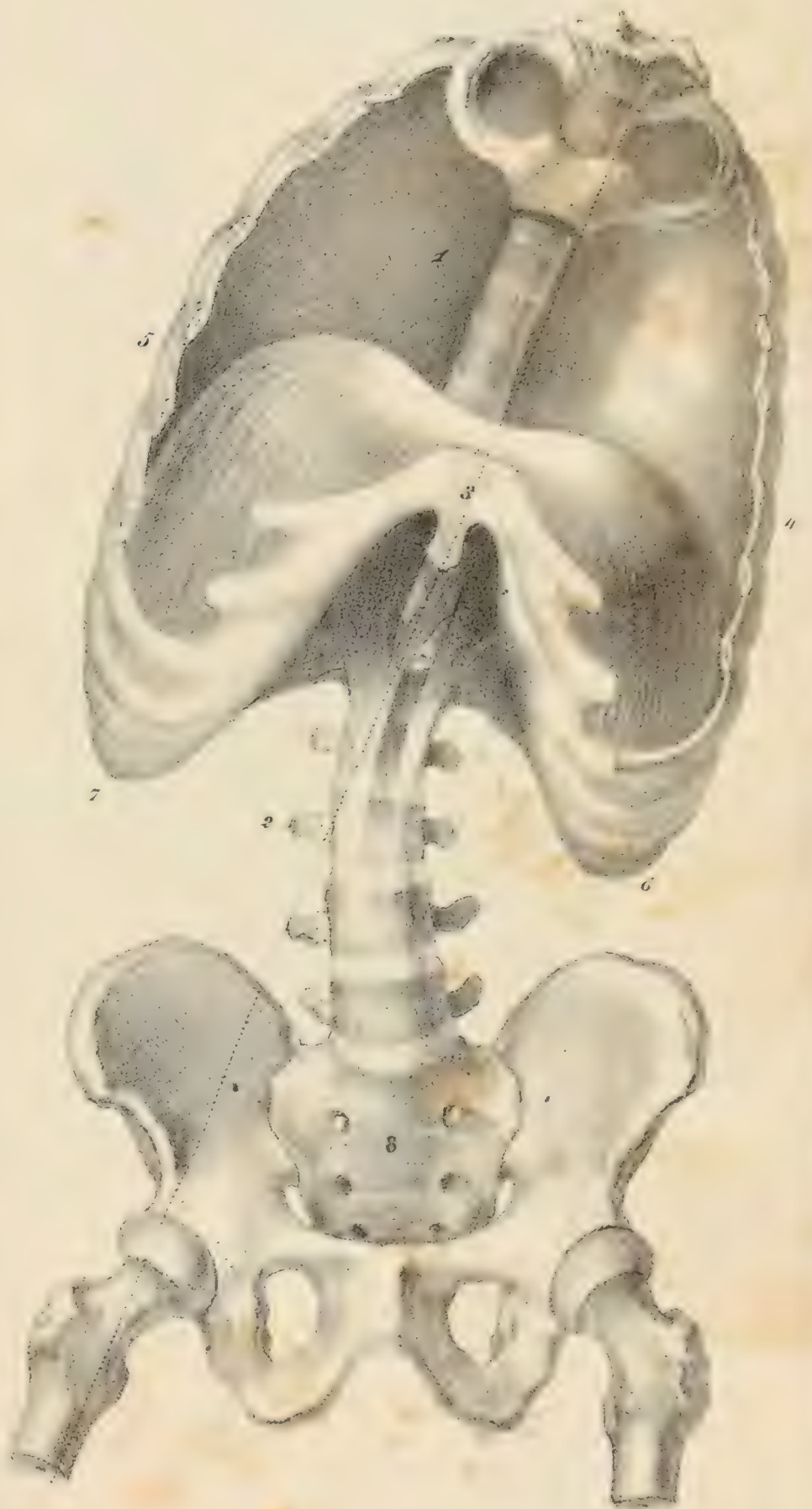


Fig. 1.

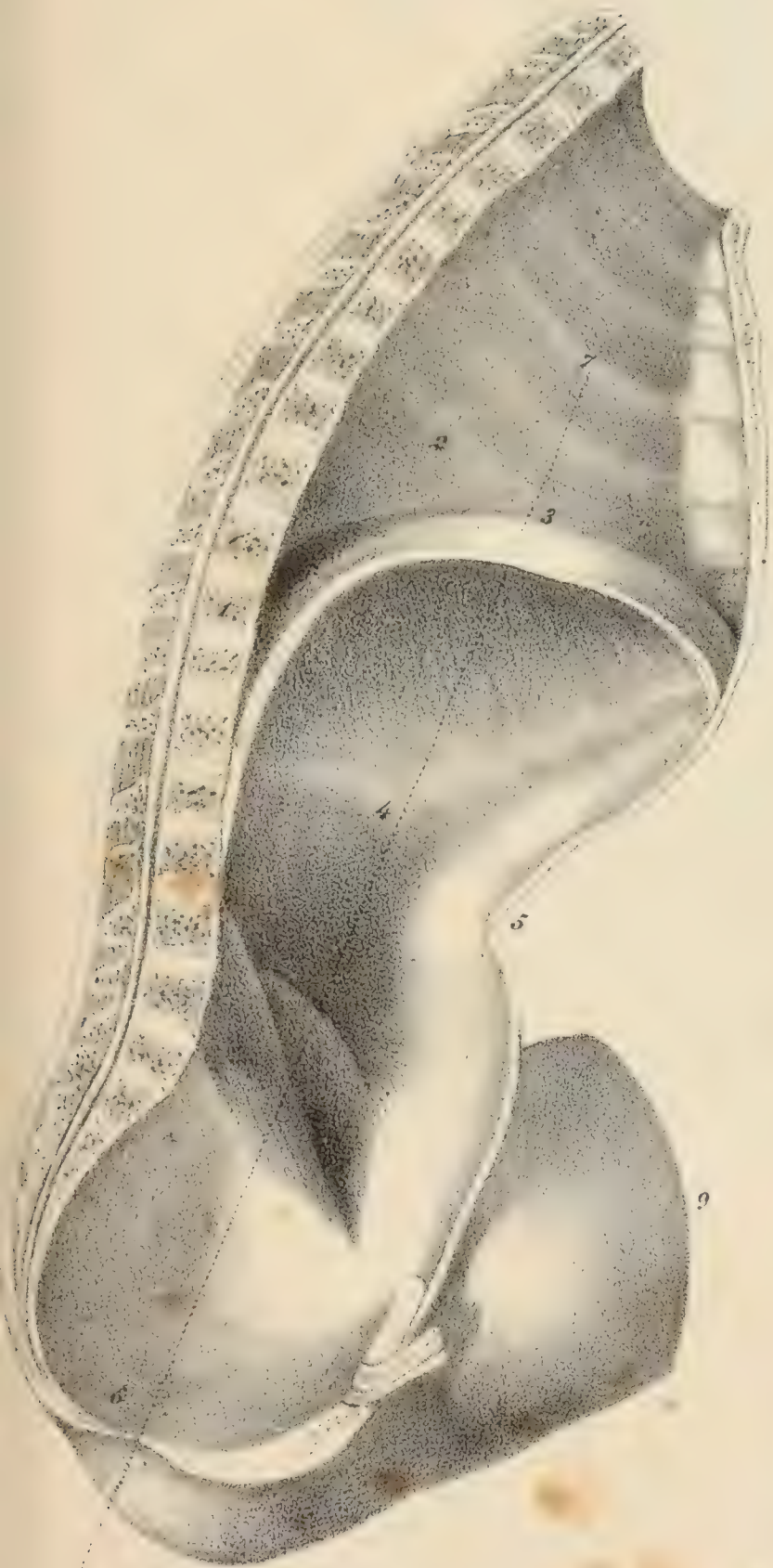










Fig. 1.



Fig. 2.

Fig. 1.

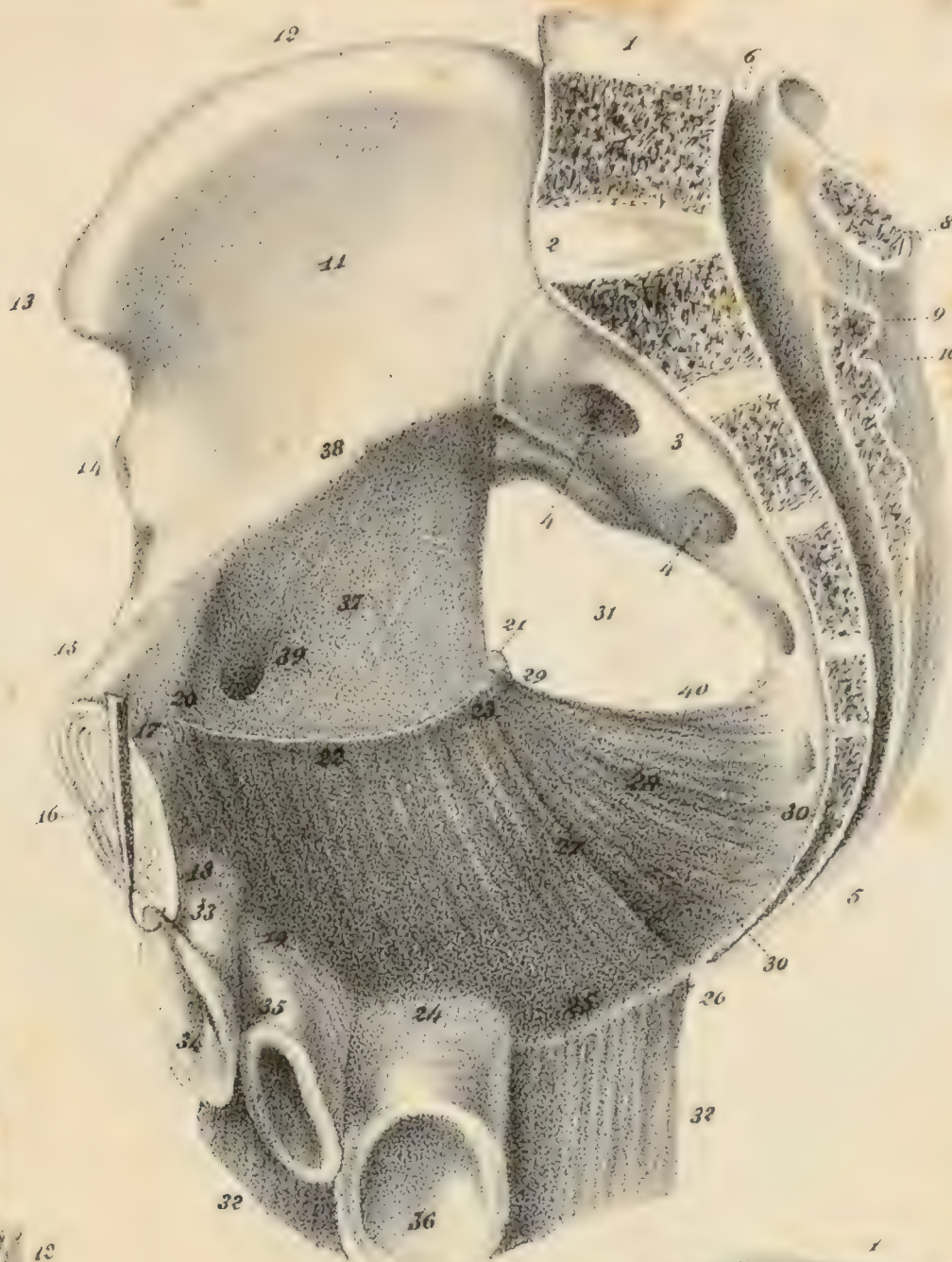


Fig. 2.





Fig. 1.



Fig. 2.

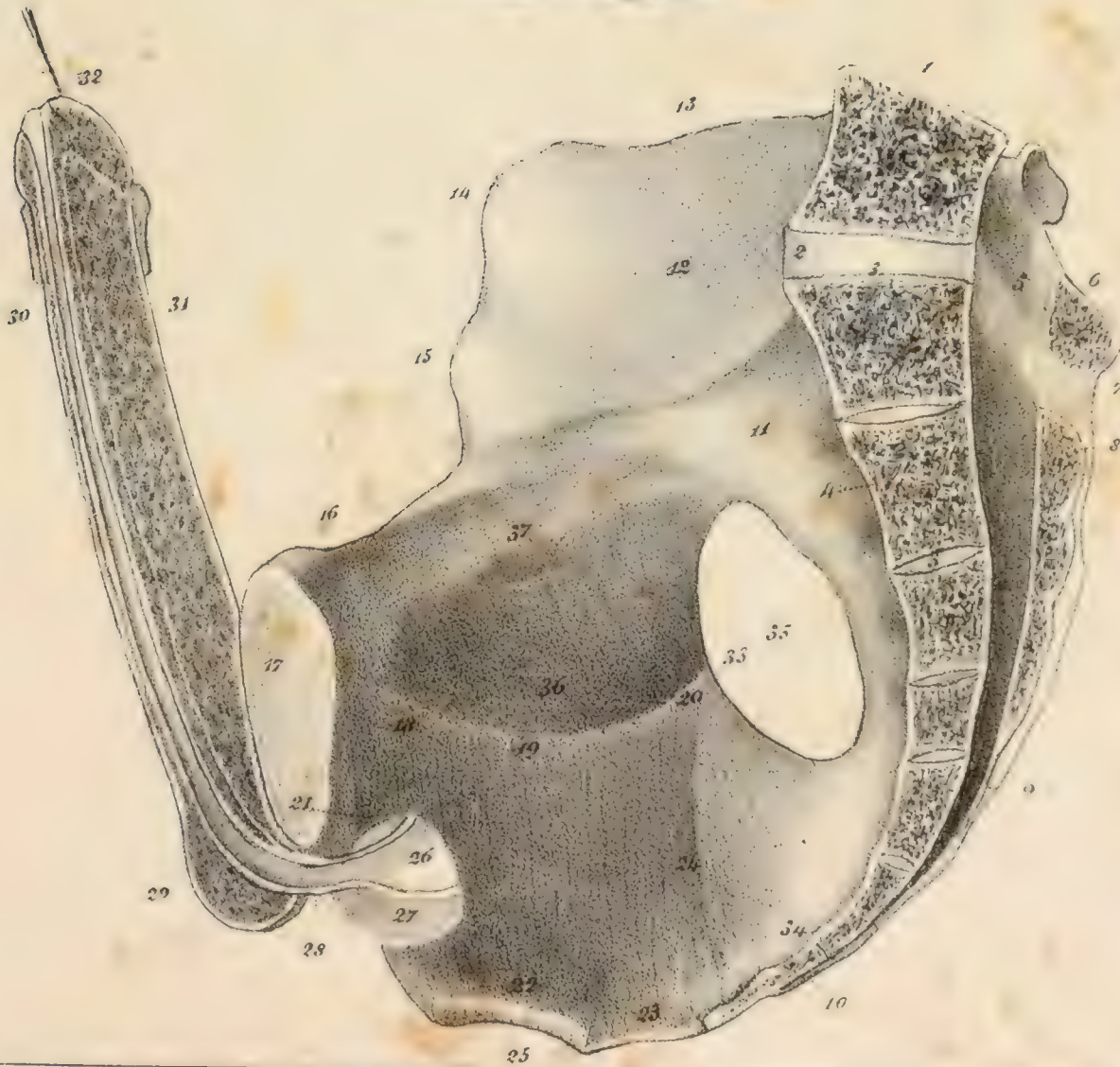
















Fig. 2.

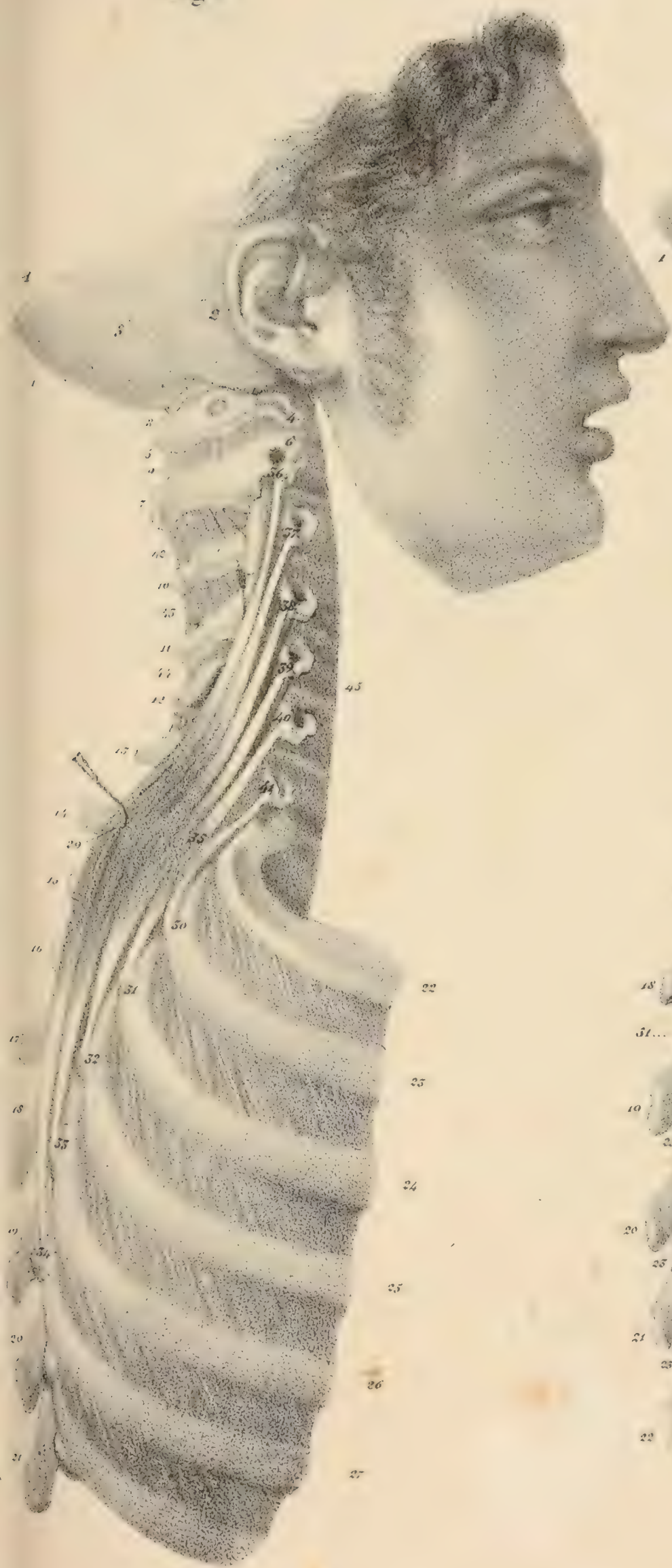


Fig. 1.





Fig. 1.

Fig. 2.









Fig. 1.

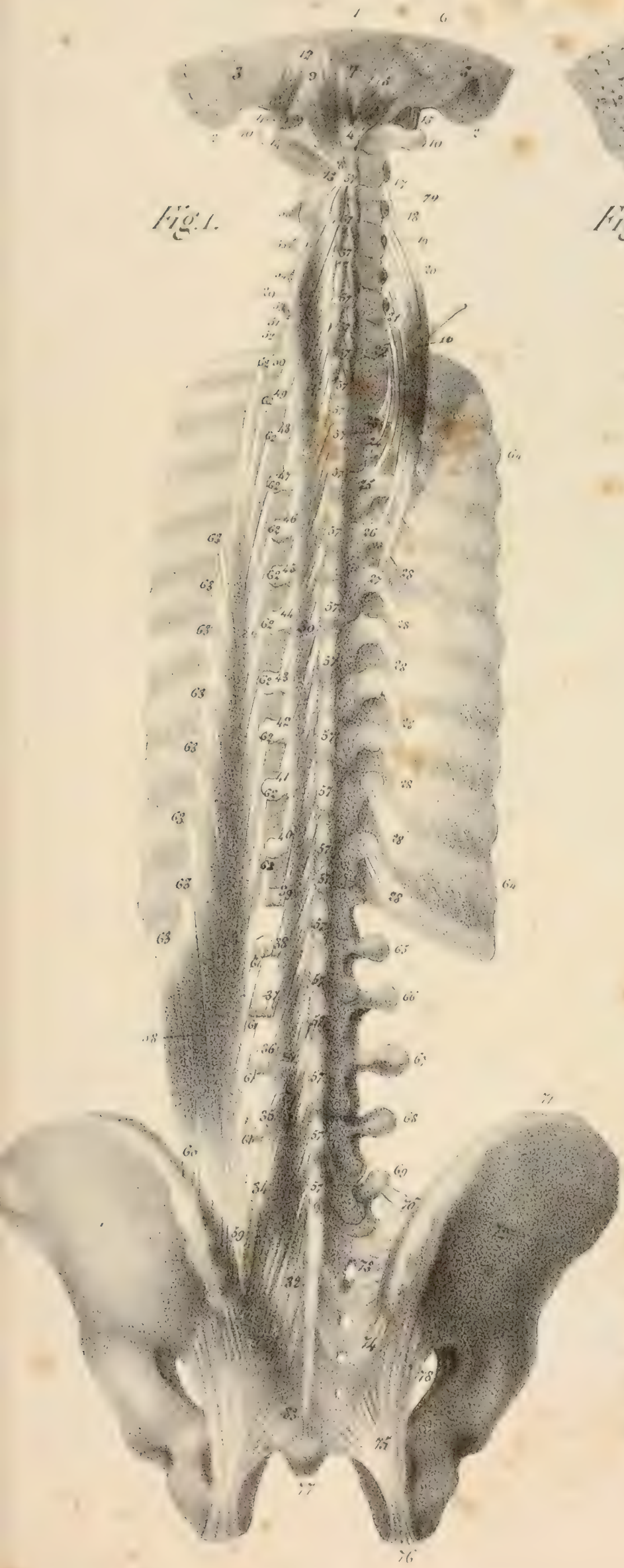


Fig. 2.



Fig. 3.





Fig. 1



Fig. 2

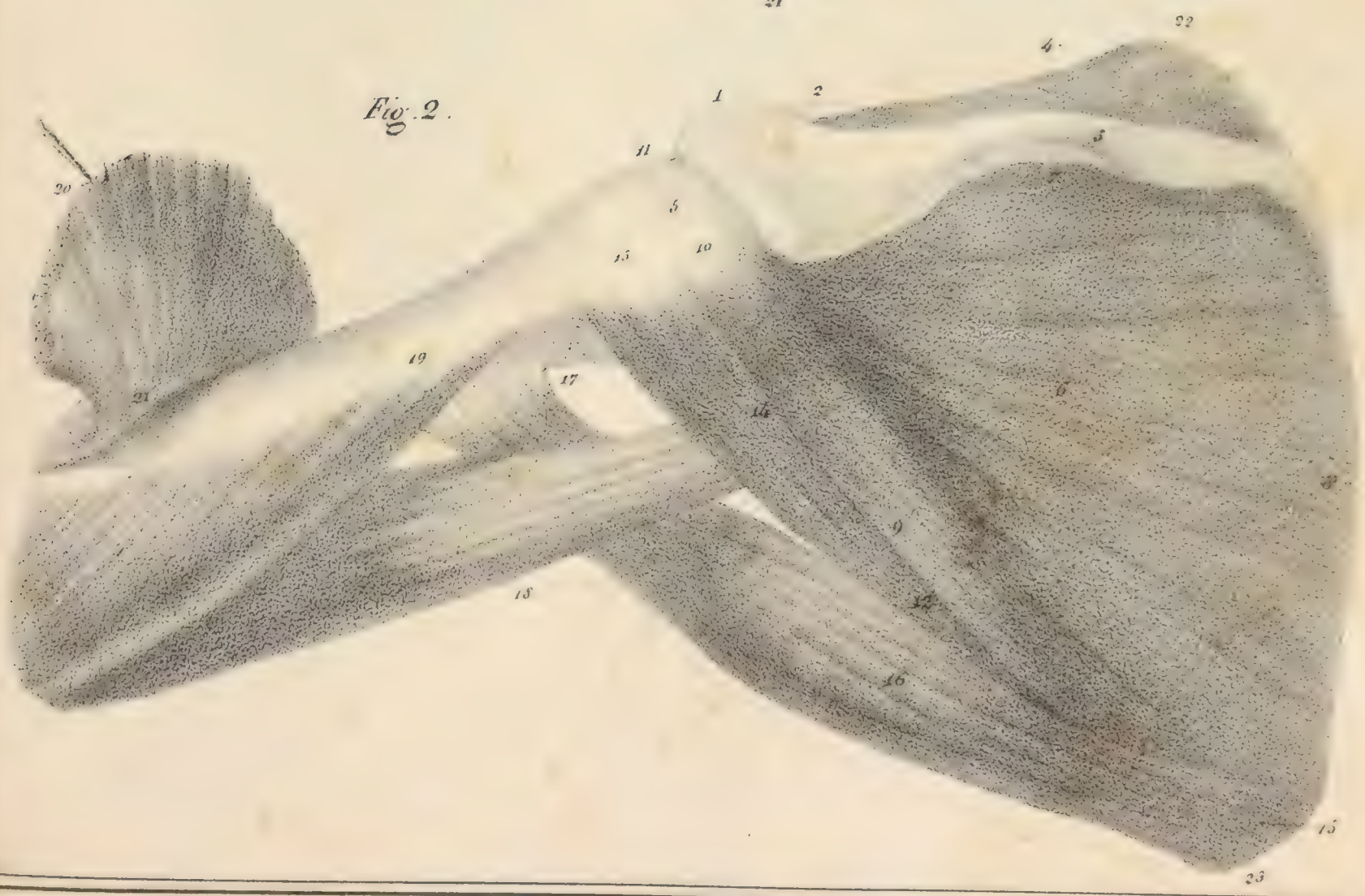


Fig. 1.

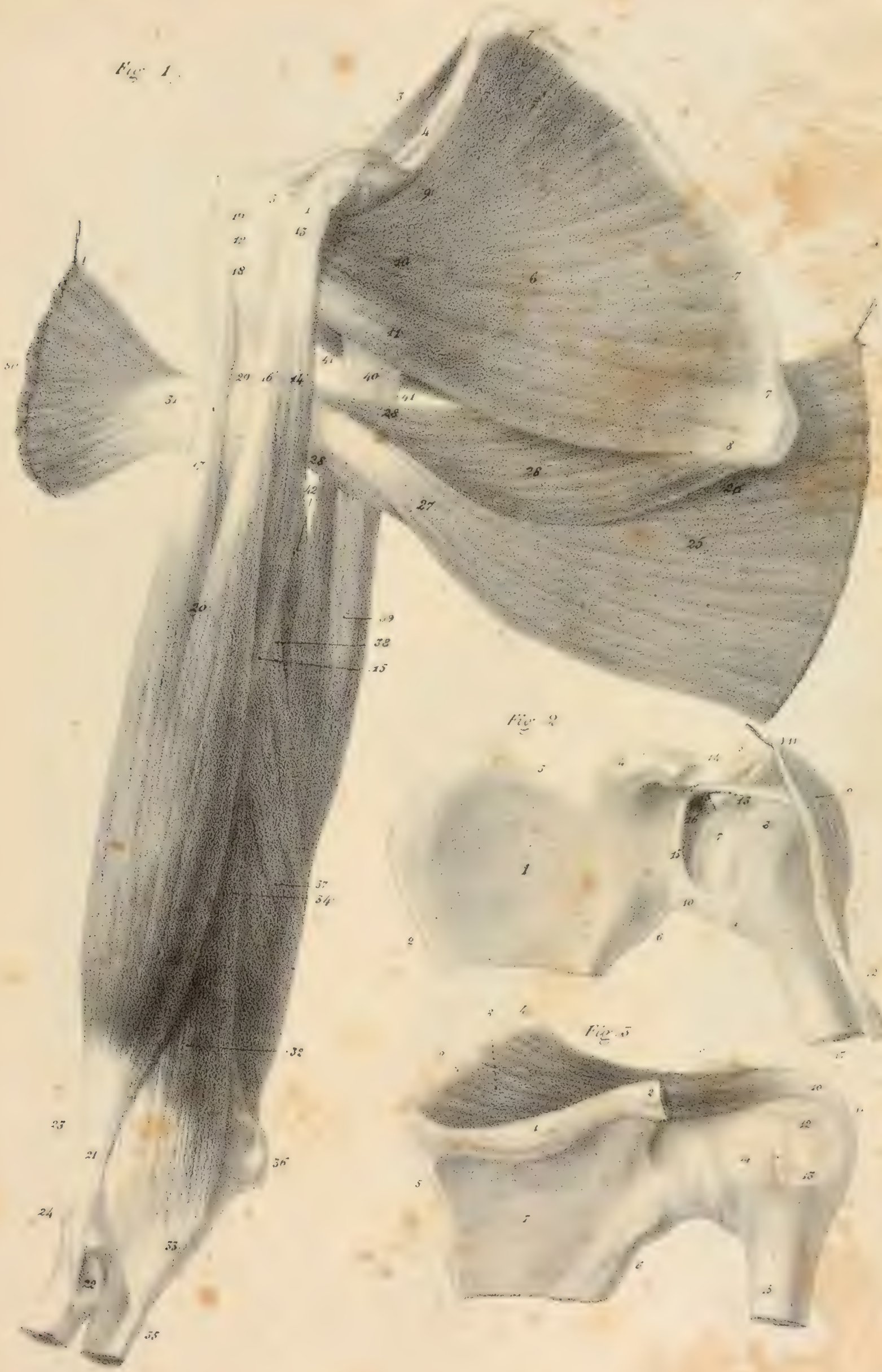


Fig. 2.



Fig. 3.





Fig. 1.

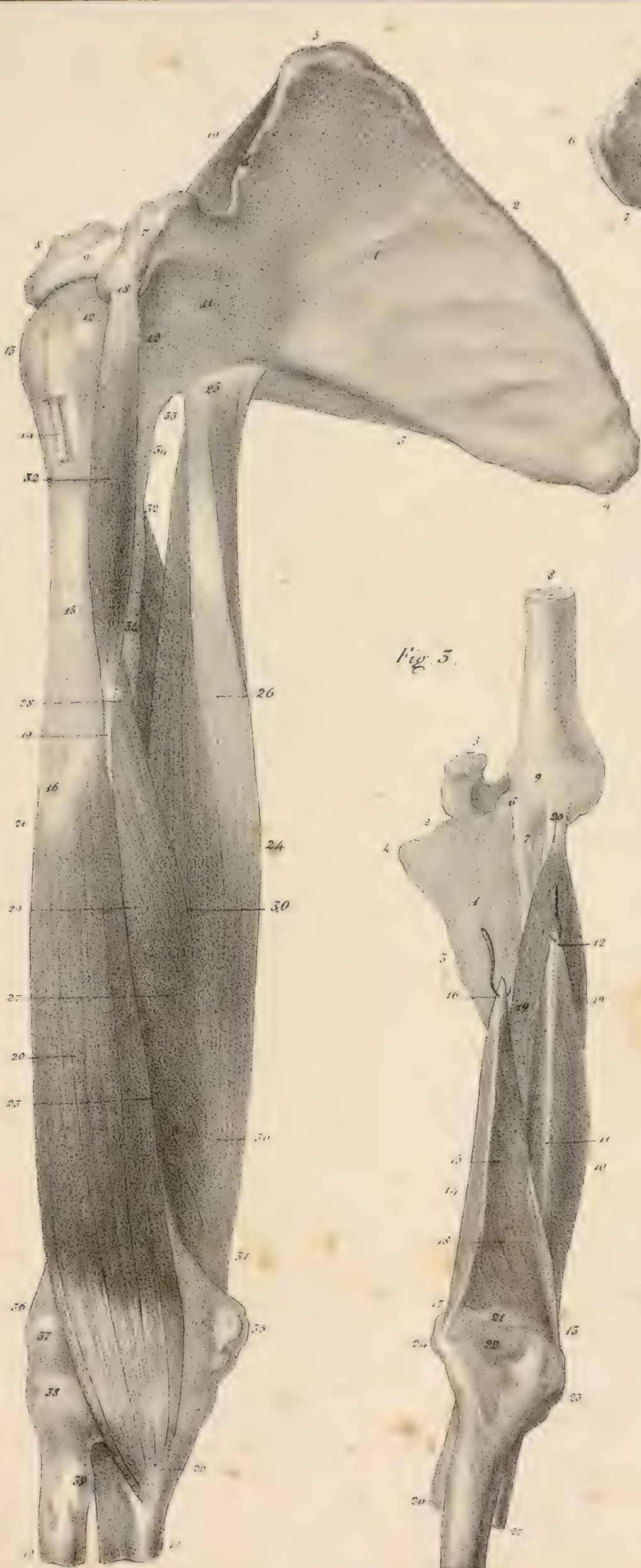


Fig. 2.



Fig. 3.





Fig 2



Fig. 1.





Fig. 1.



Fig. 2.





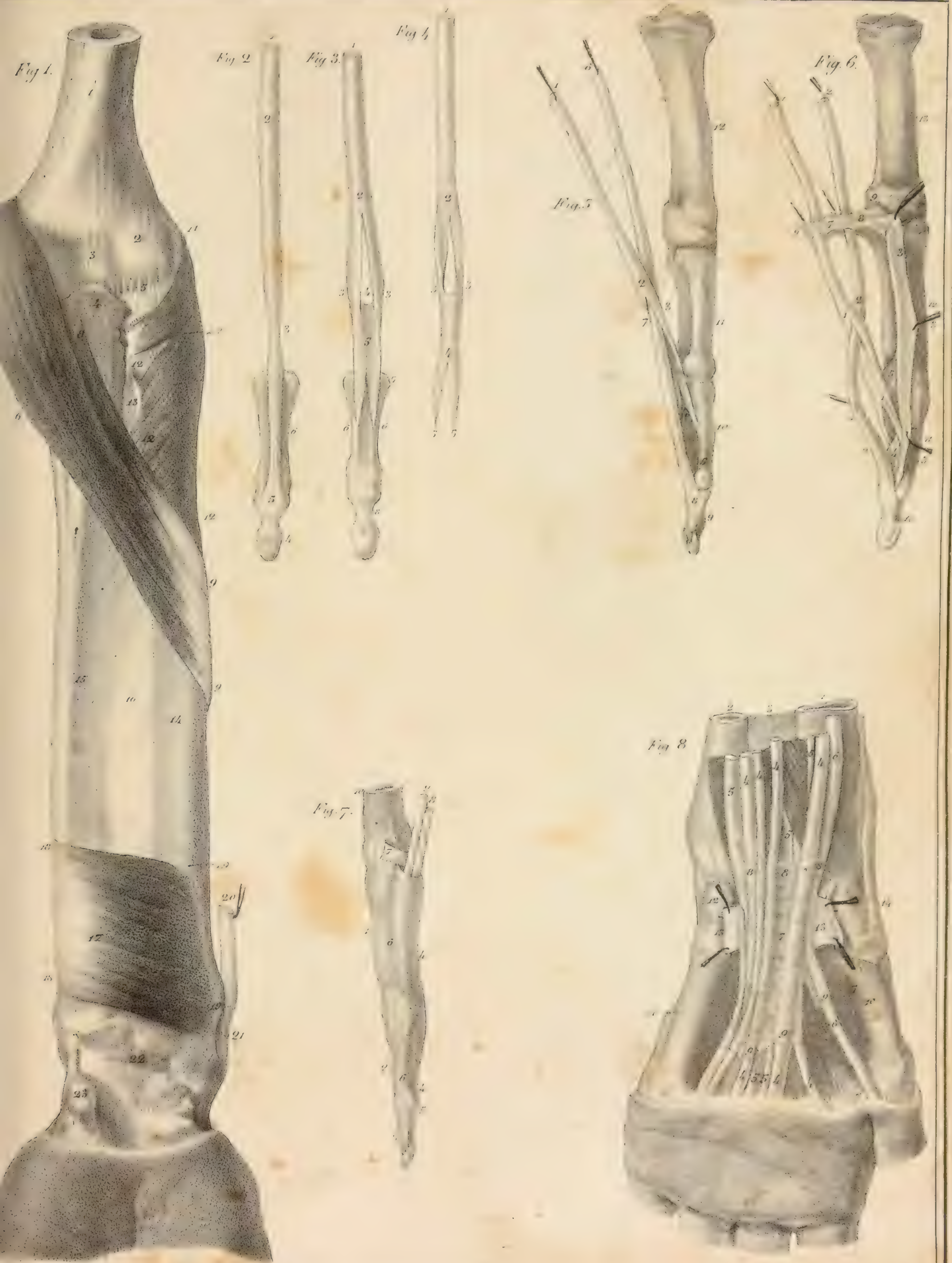




Fig. 2.

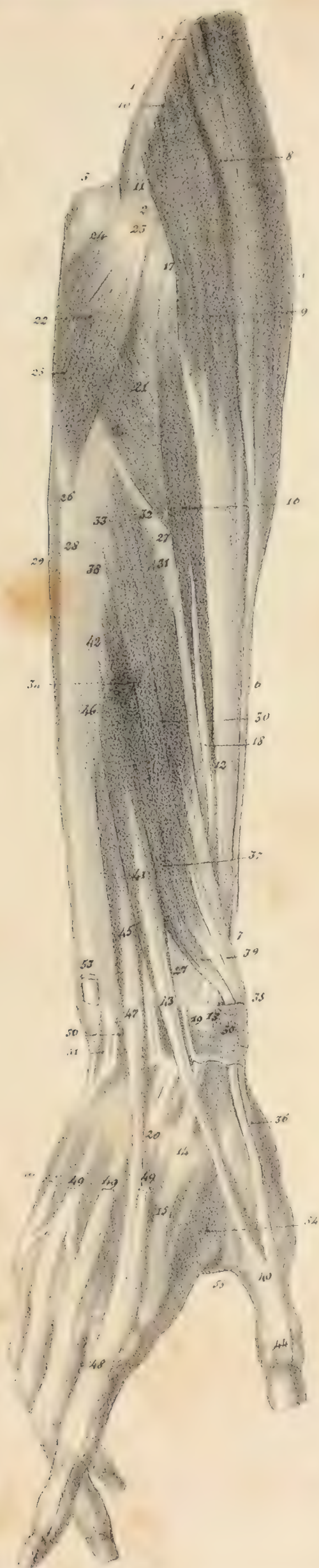


Fig. 1





Fig. 1.

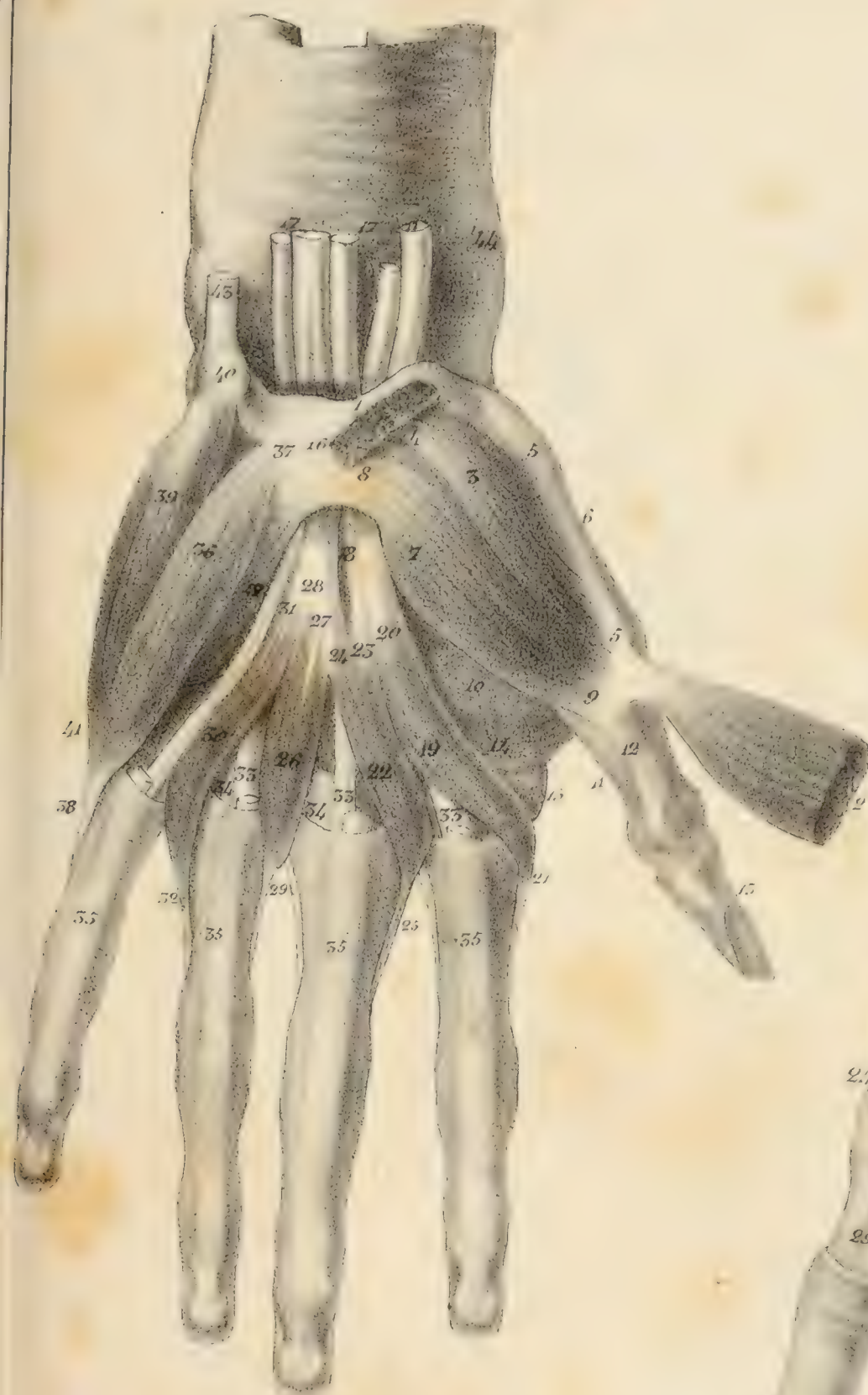


Fig. 2.



Fig. 2.



Fig. 1.



Fig. 5.





Fig. 1.

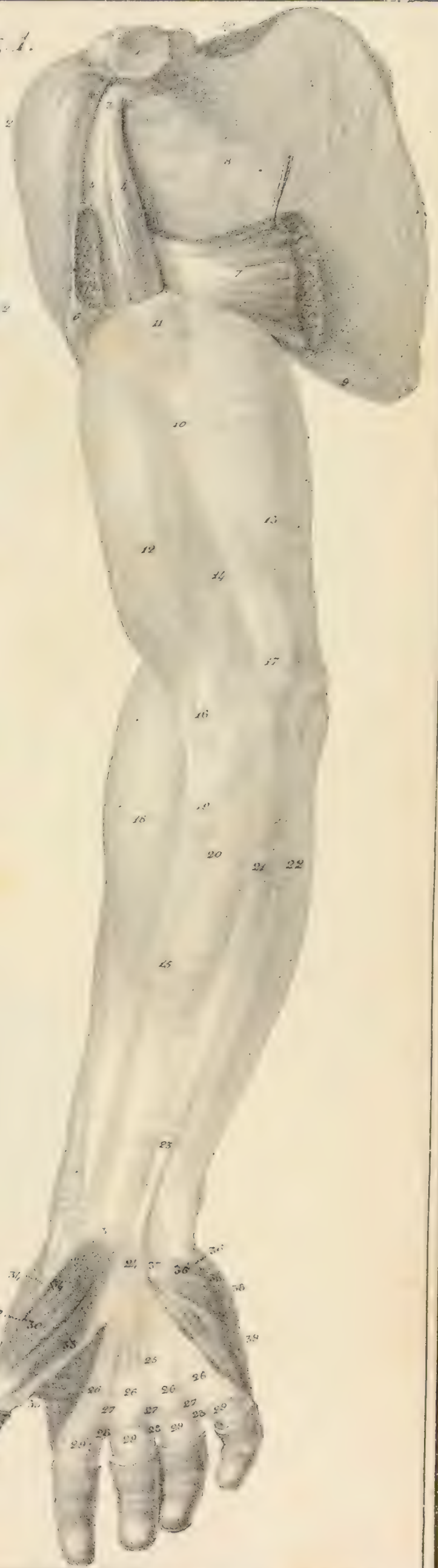


Fig. 3.

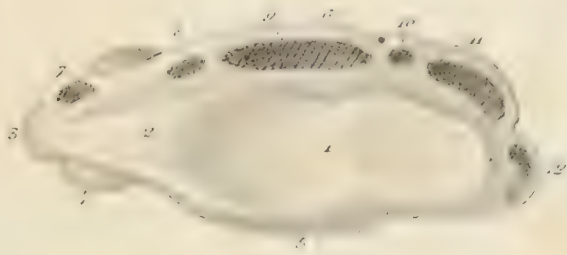


Fig. 4.



Fig. 5.

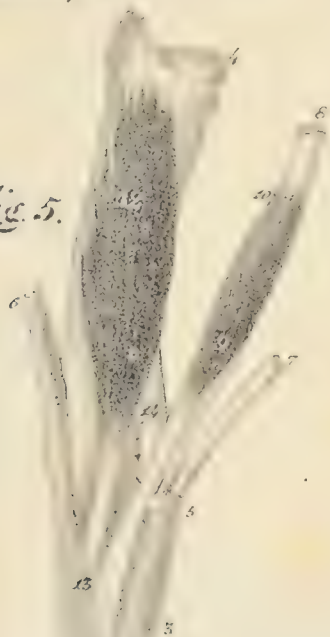


Fig. 6.

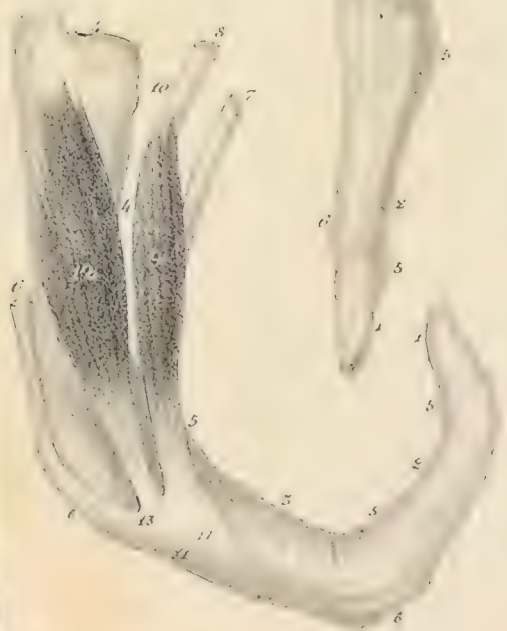


Fig. 1.



Fig. 2.



Fig. 1.

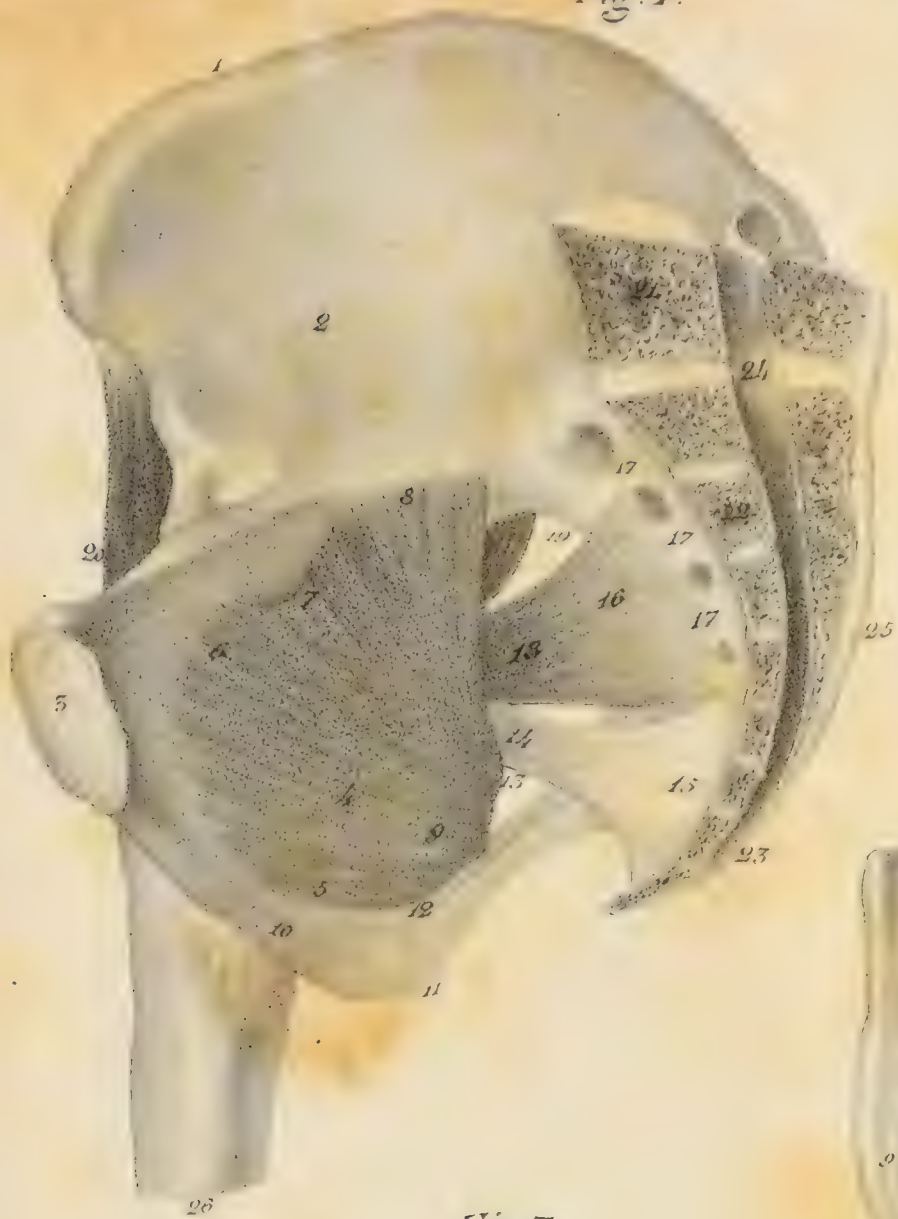


Fig. 2.



Fig. 3.

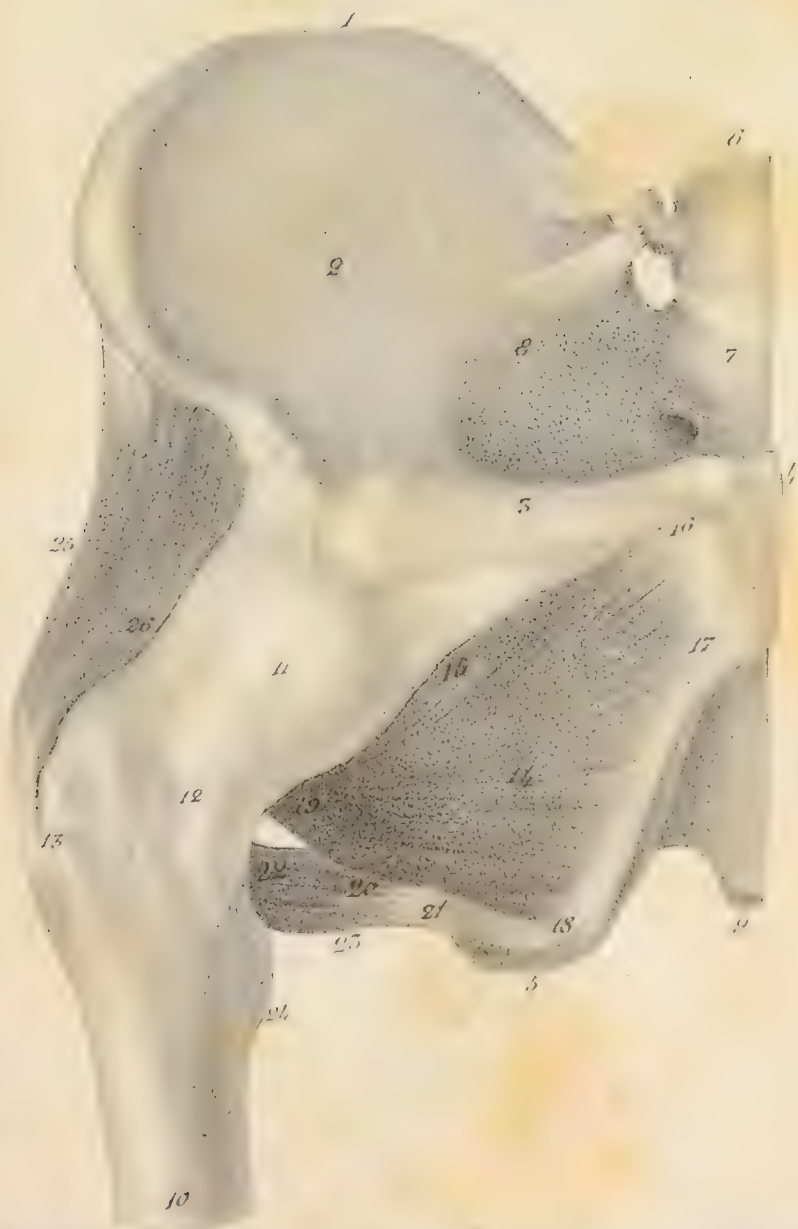


Fig. 1.



Fig. 2.



Fig. 1.



Fig. 3.

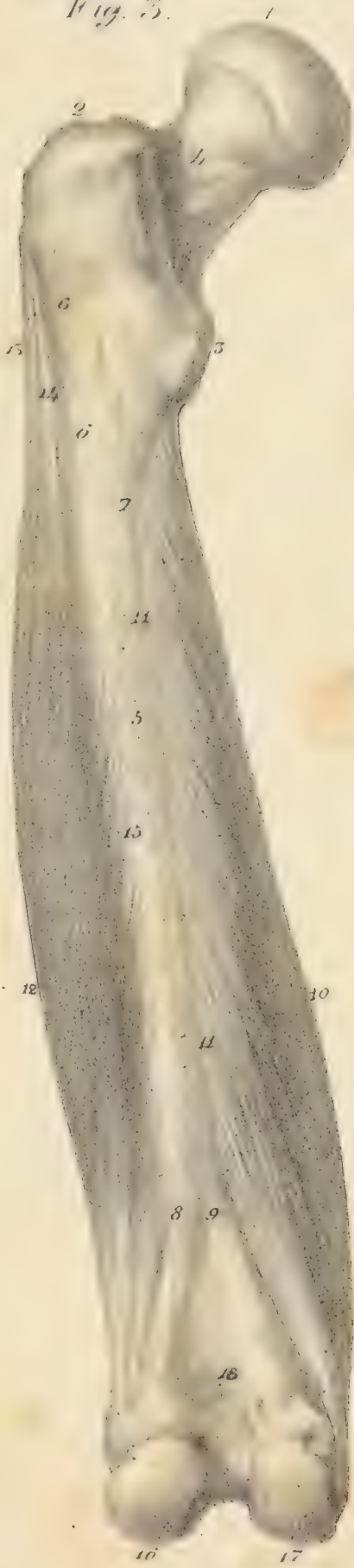


Fig. 2.



Fig. 1.



Fig. 2.



Fig. 1.



Fig. 3.

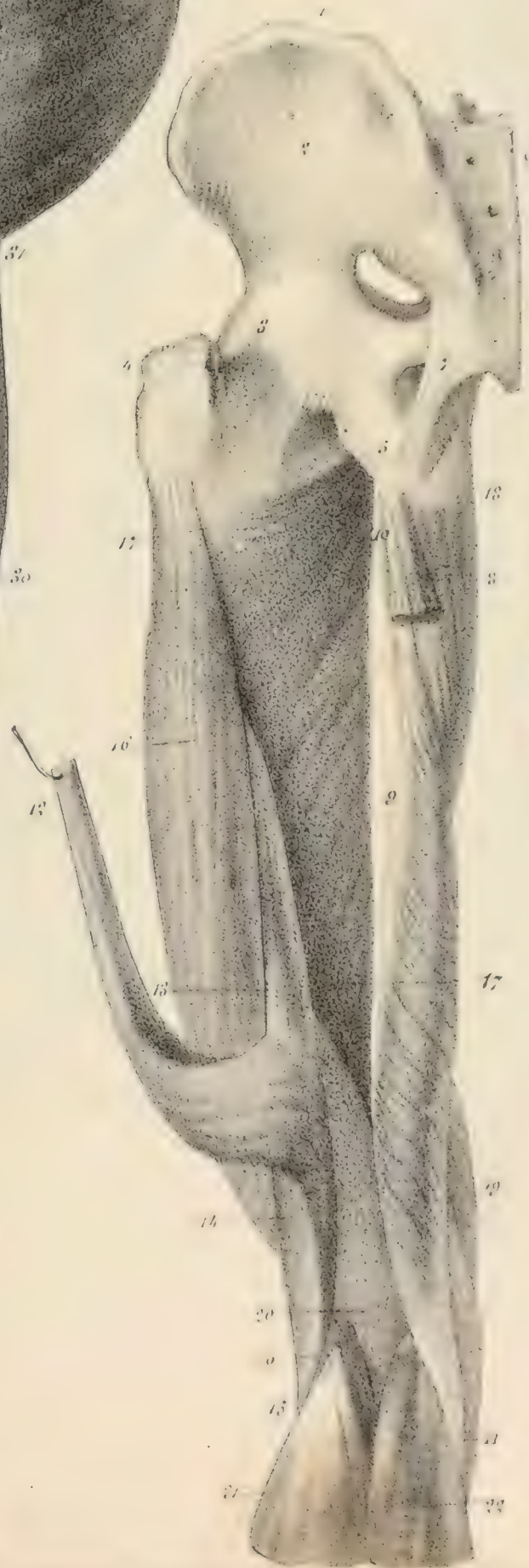
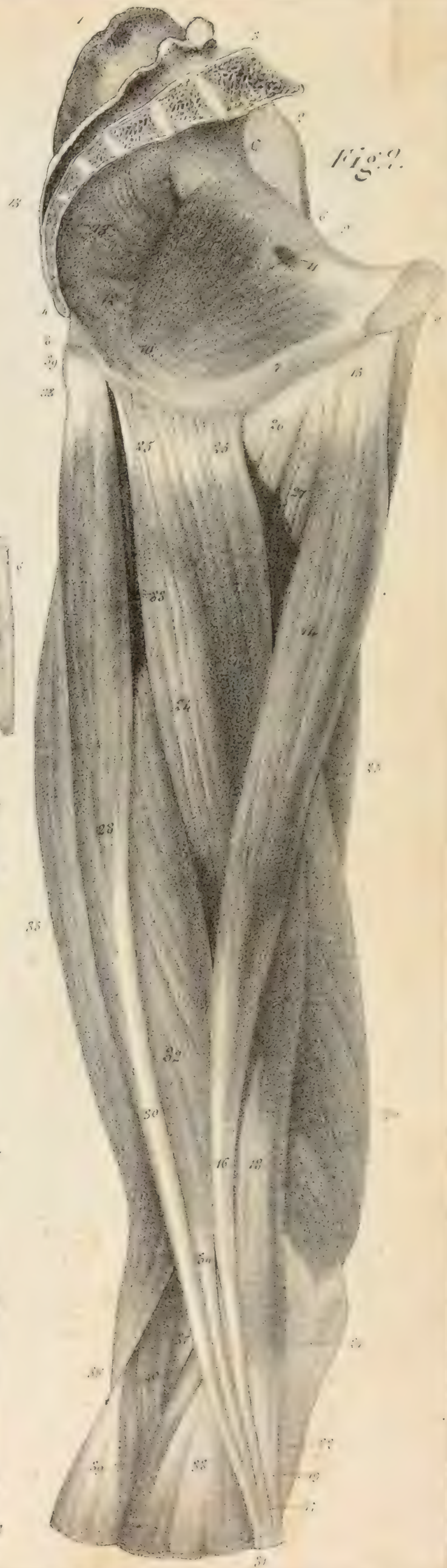


Fig. 2.



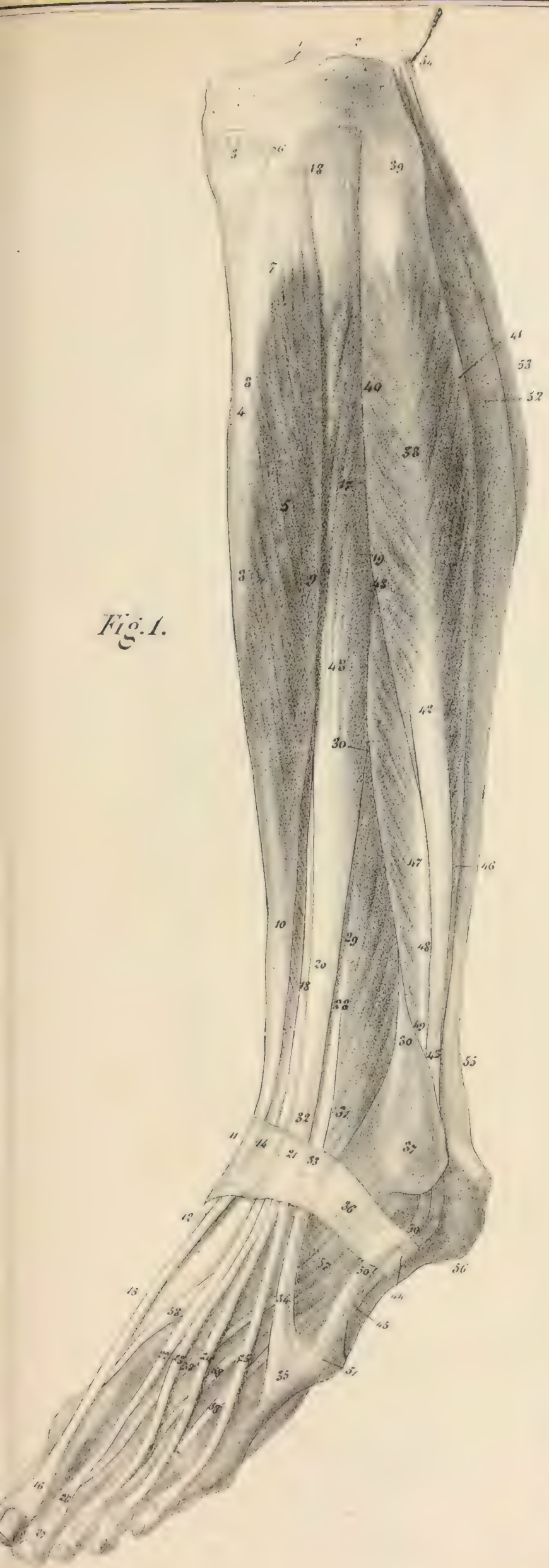


Fig. 1.

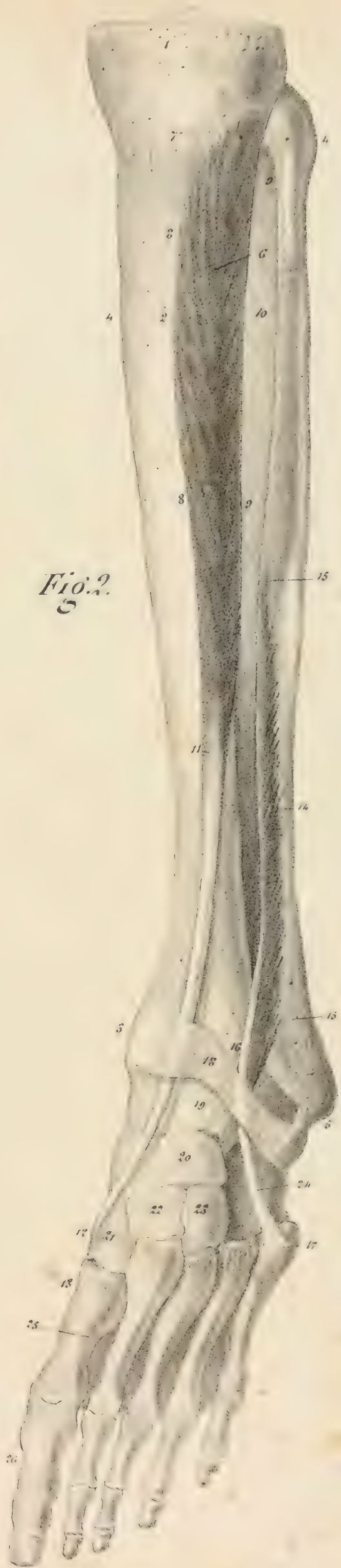


Fig. 2.

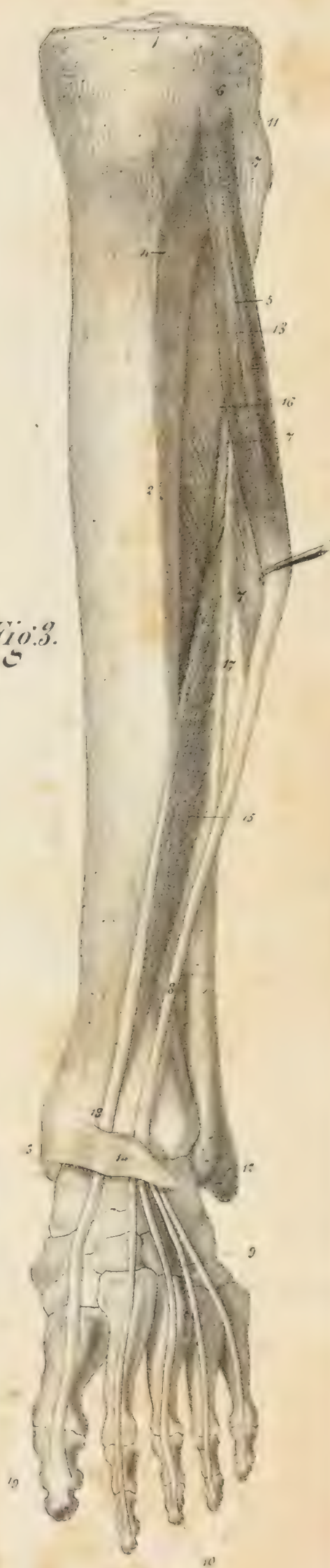


Fig. 3.



Fig. 1.



Fig. 2.

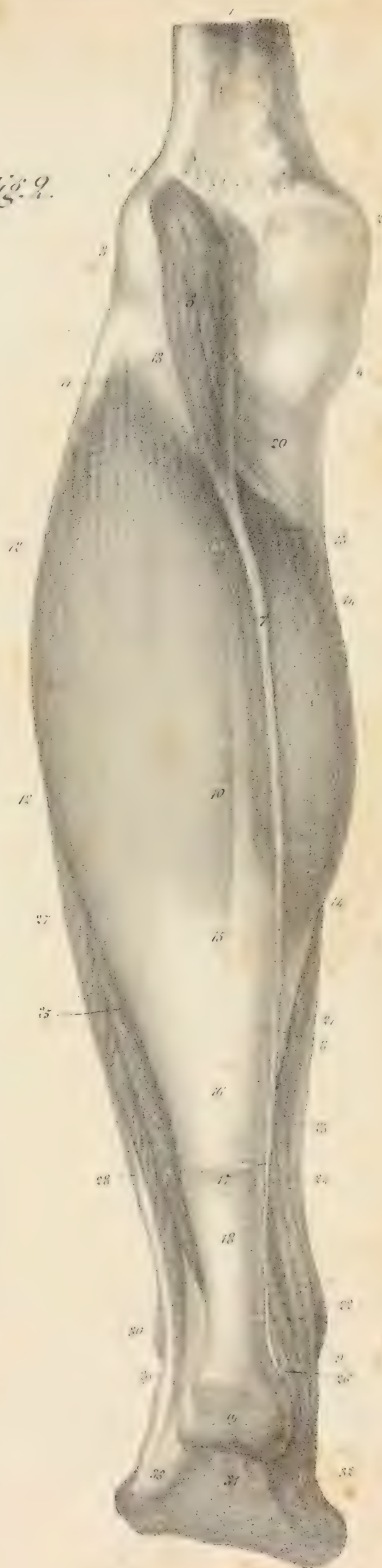


Fig. 1.



Fig. 2.



Fig. 3.





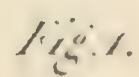
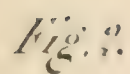


Fig 1.



Fig 2.





Fig. 3.

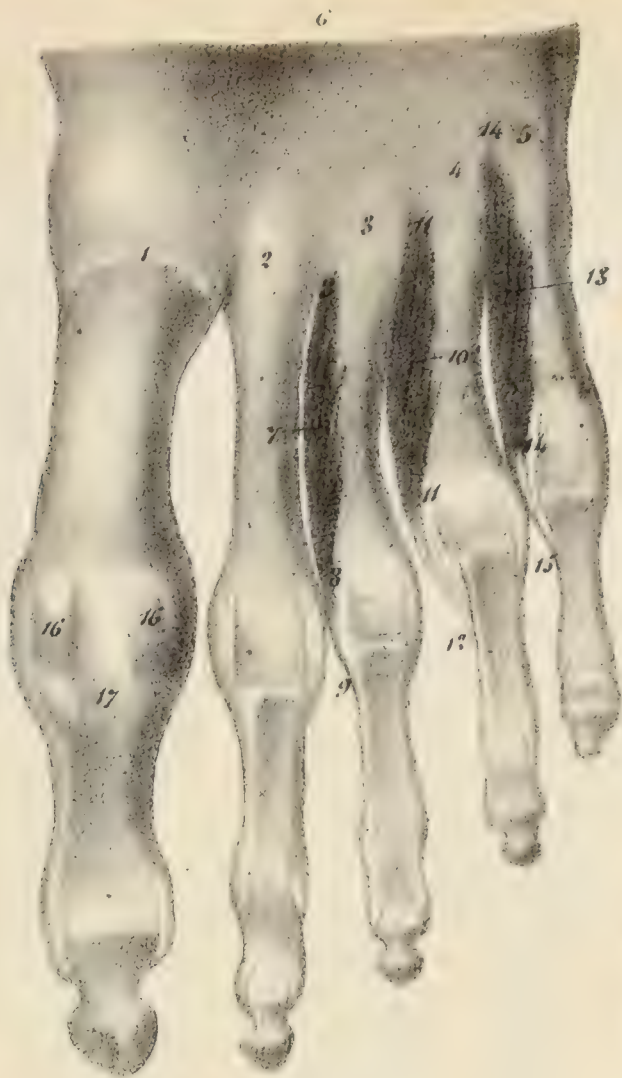


Fig. 2.

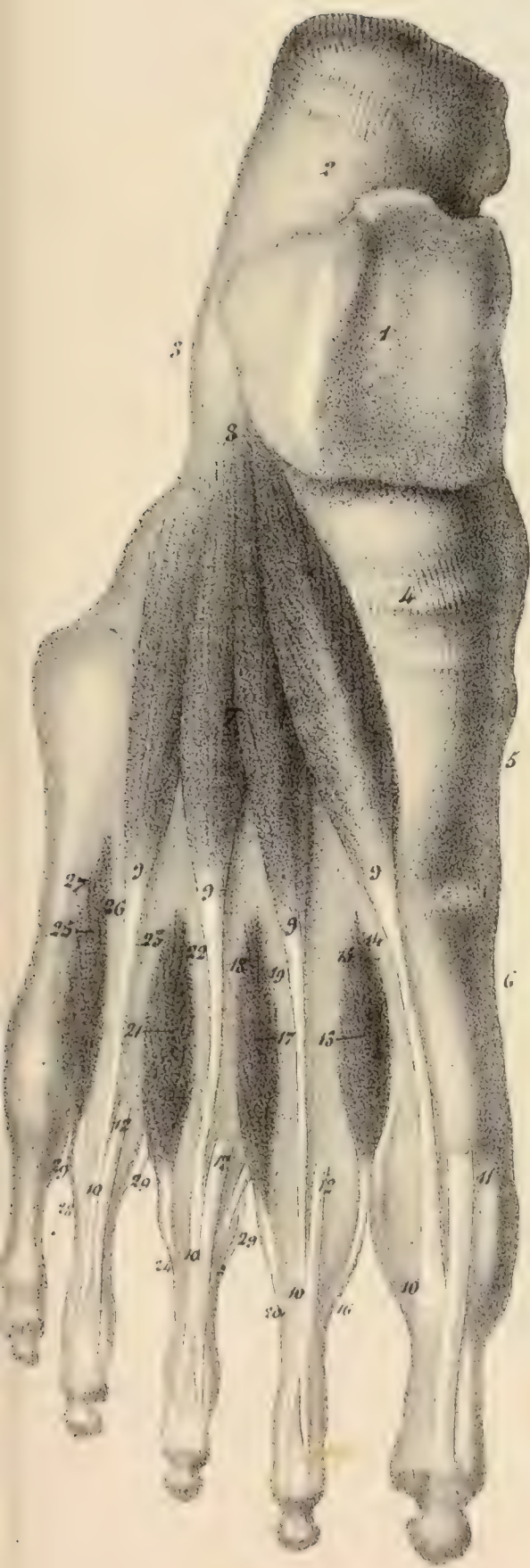


Fig. 1.

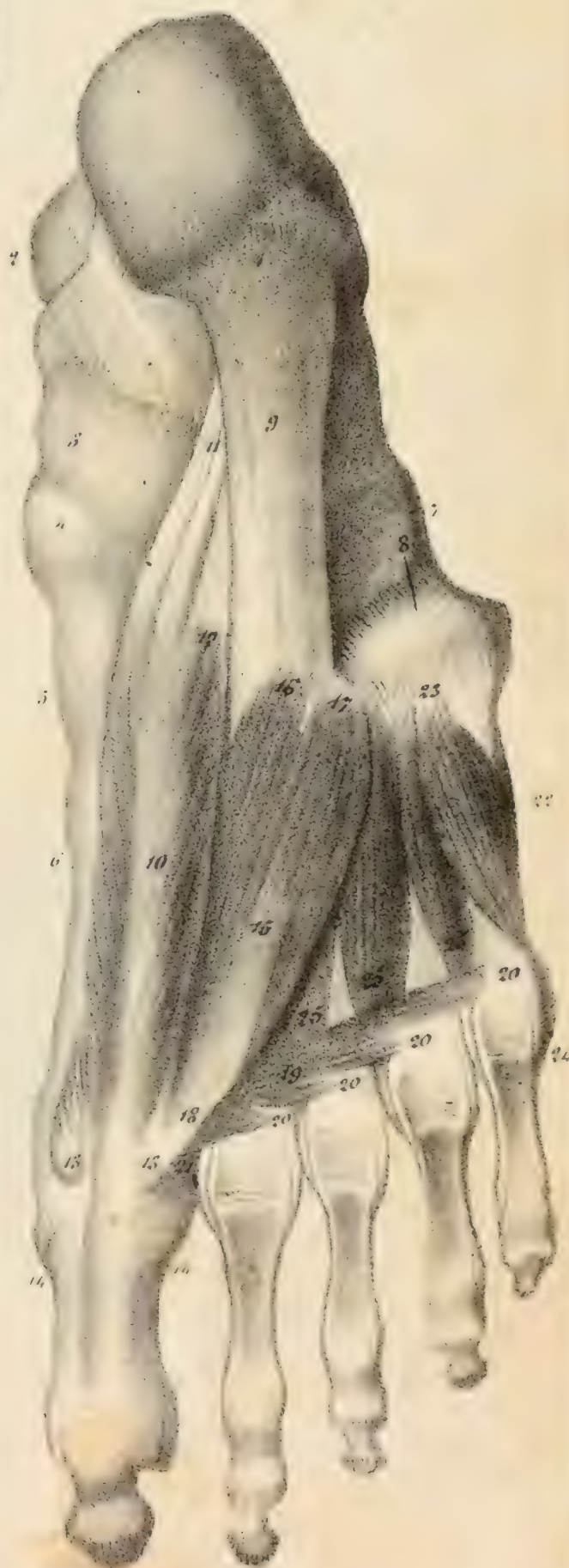




Fig. 1.

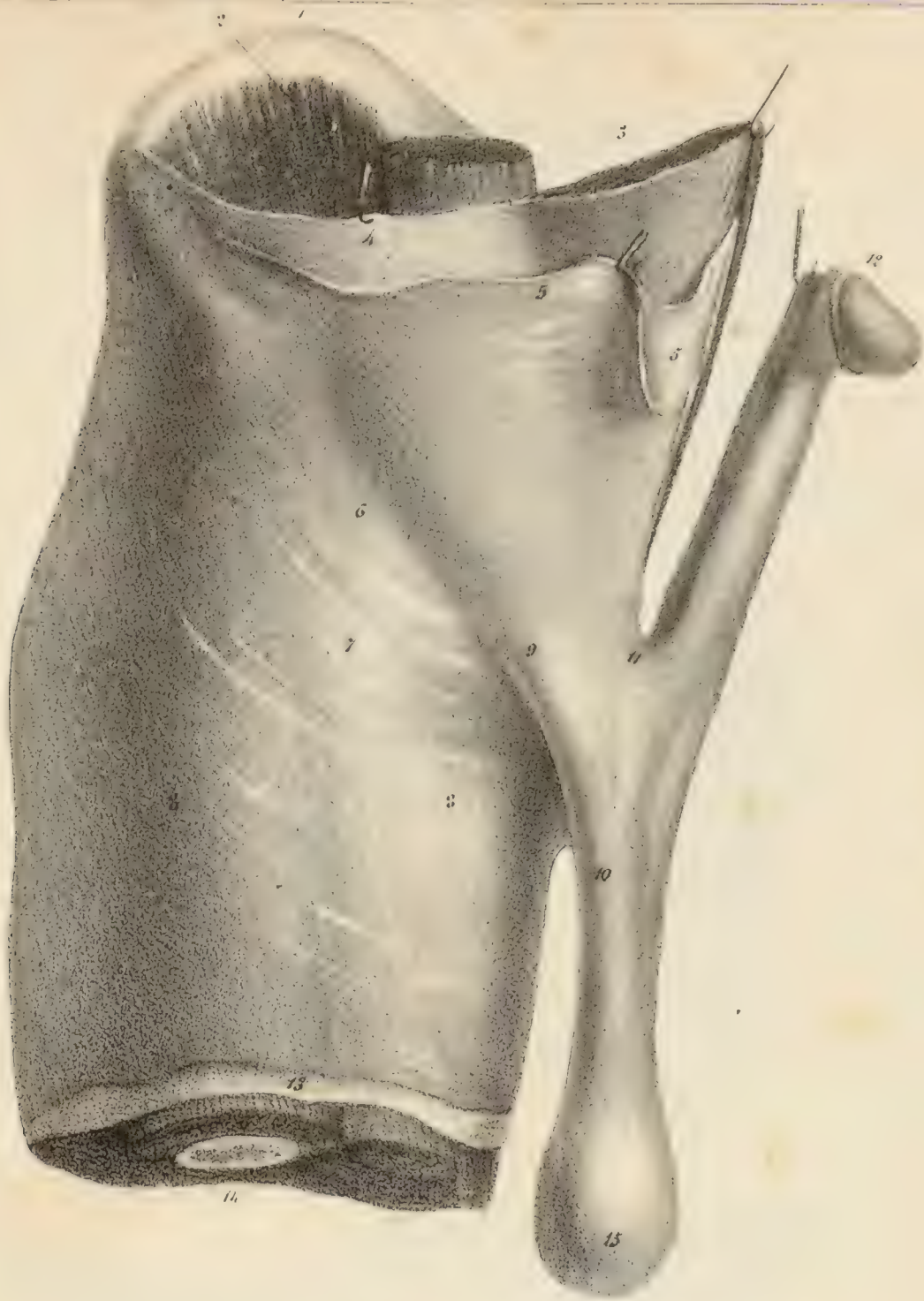


Fig. 2.

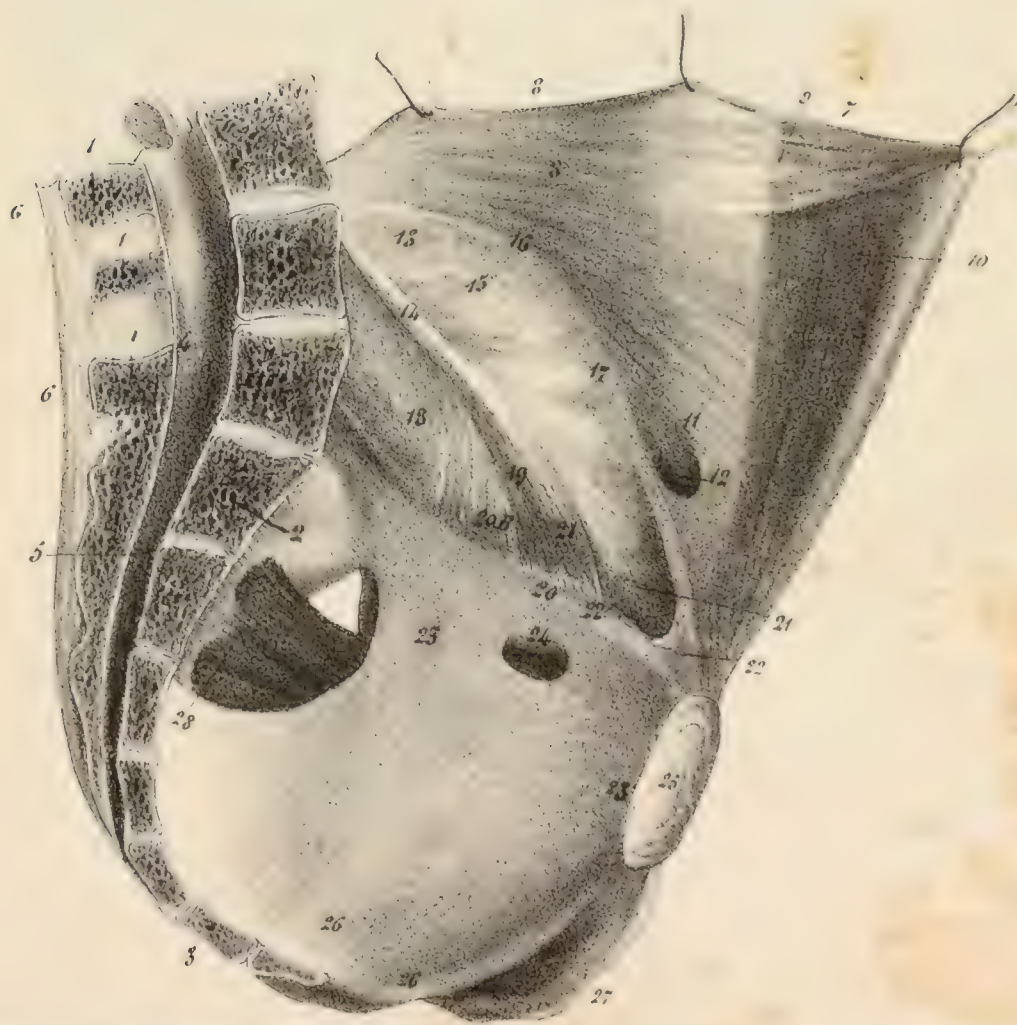




Fig. 1.



Fig. 2.

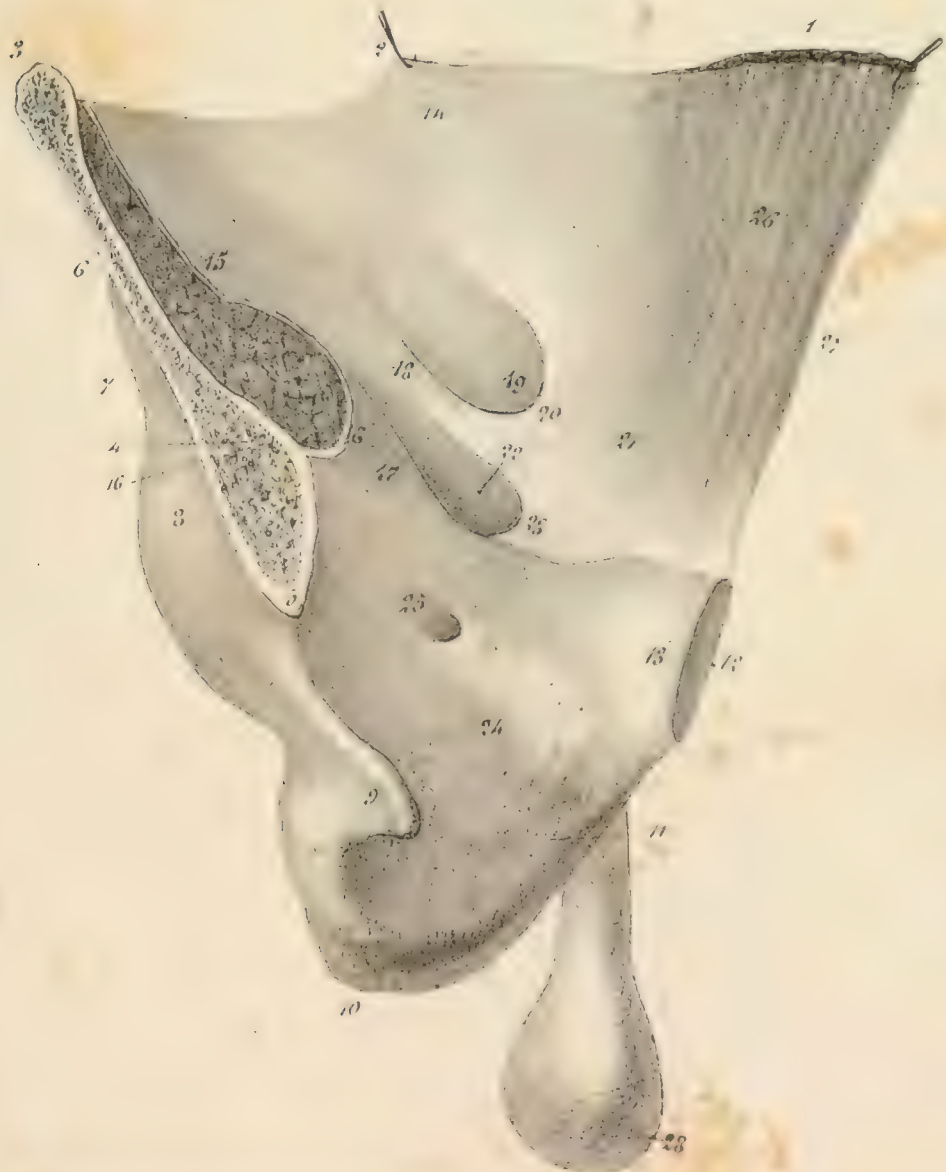


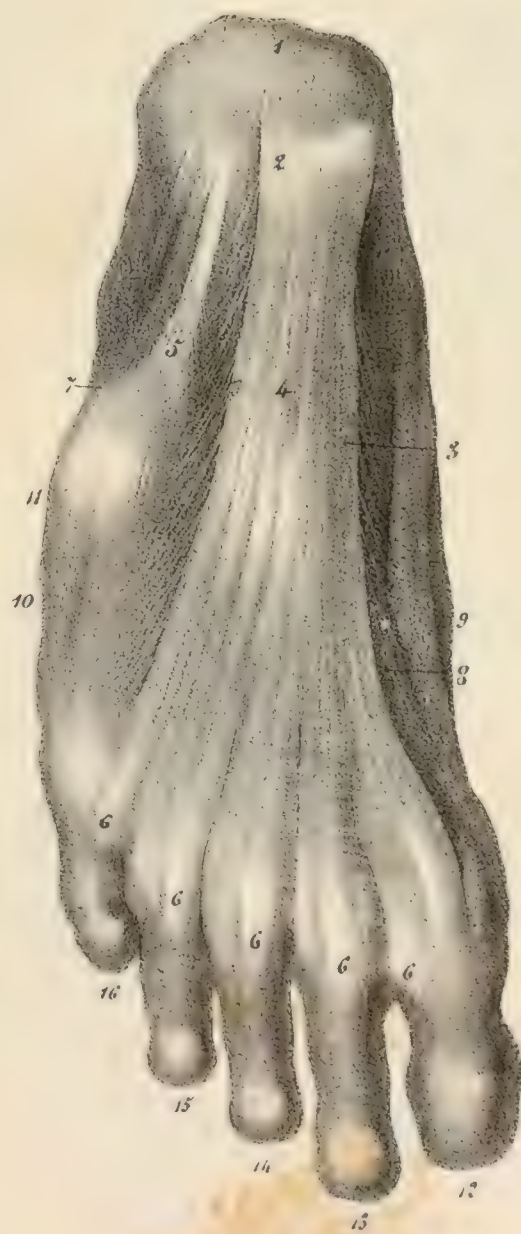




Fig. 2.



Fig. 3.





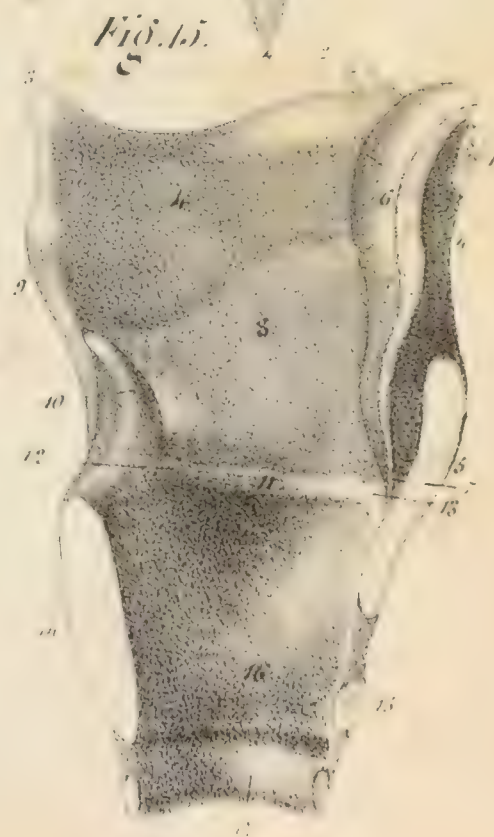
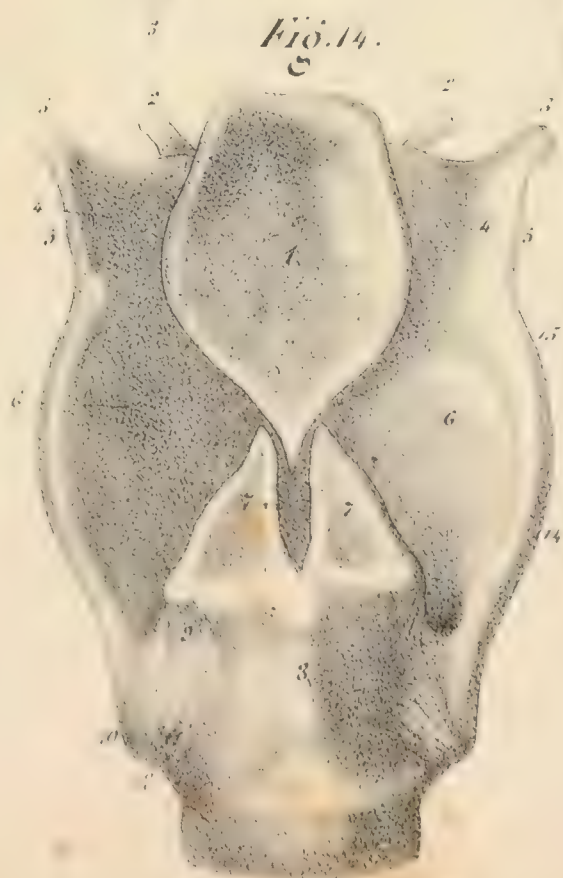
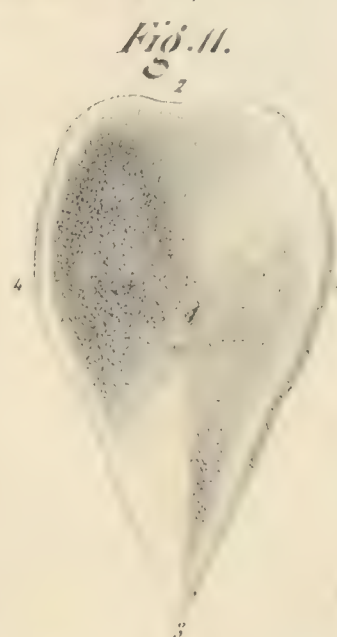
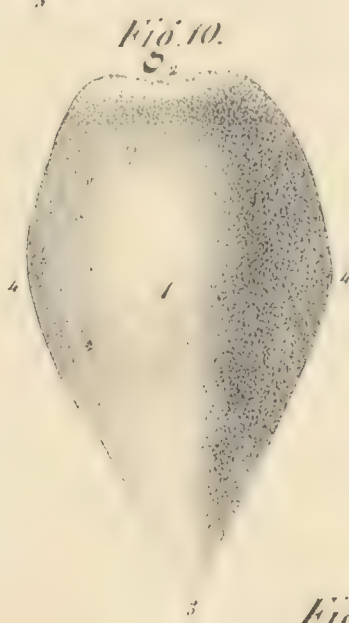
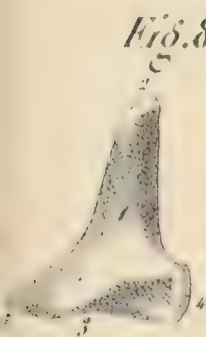
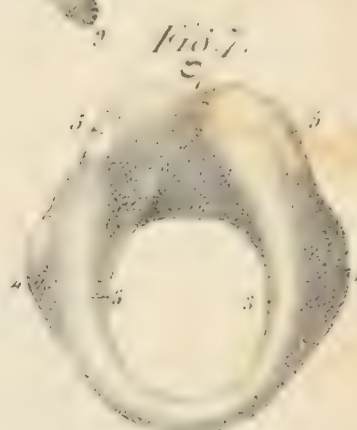
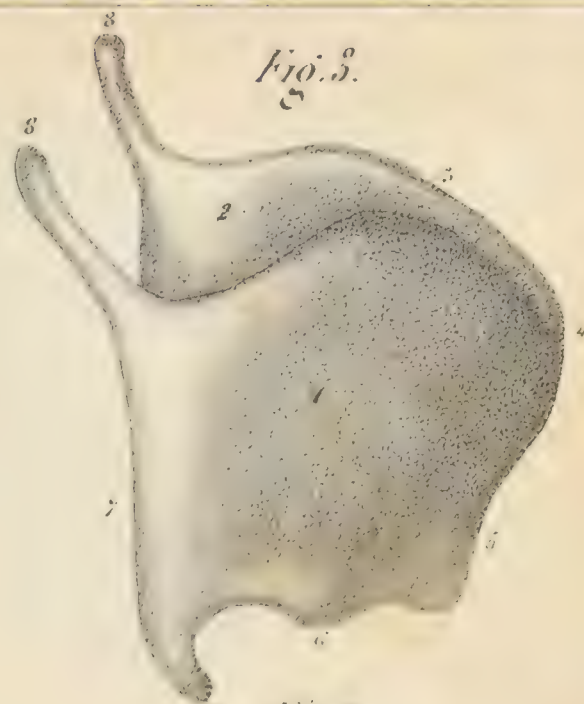
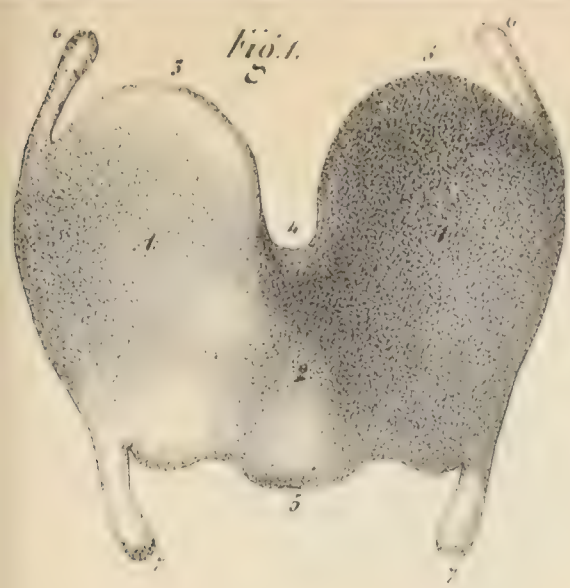


Fig. 1.



Fig. 2.

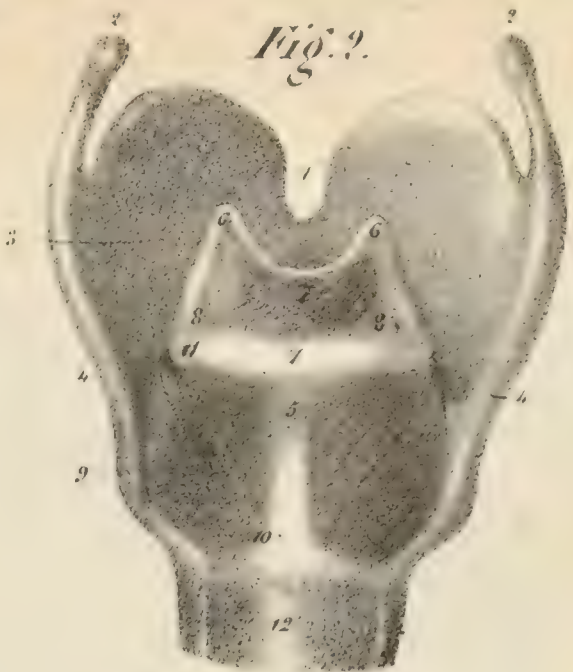


Fig. 3.

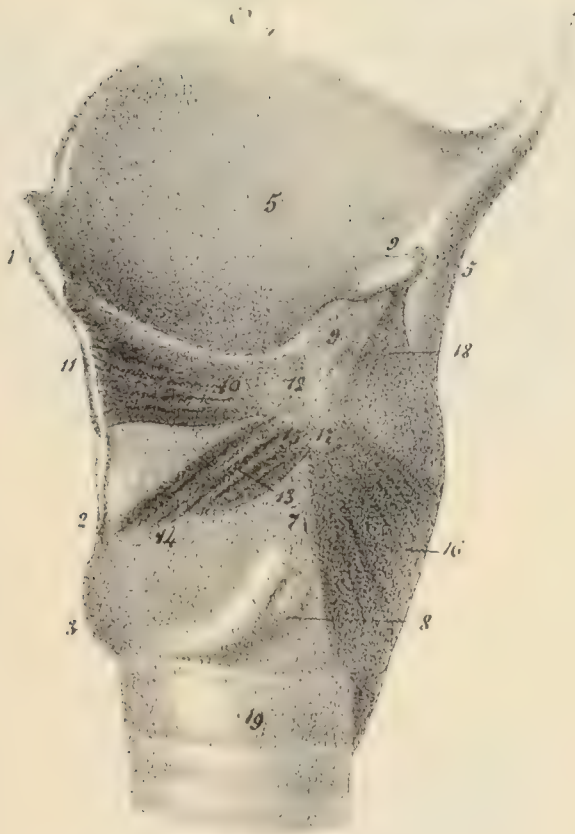


Fig. 4.



Fig. 5.



Fig. 6.



Fig. 1.

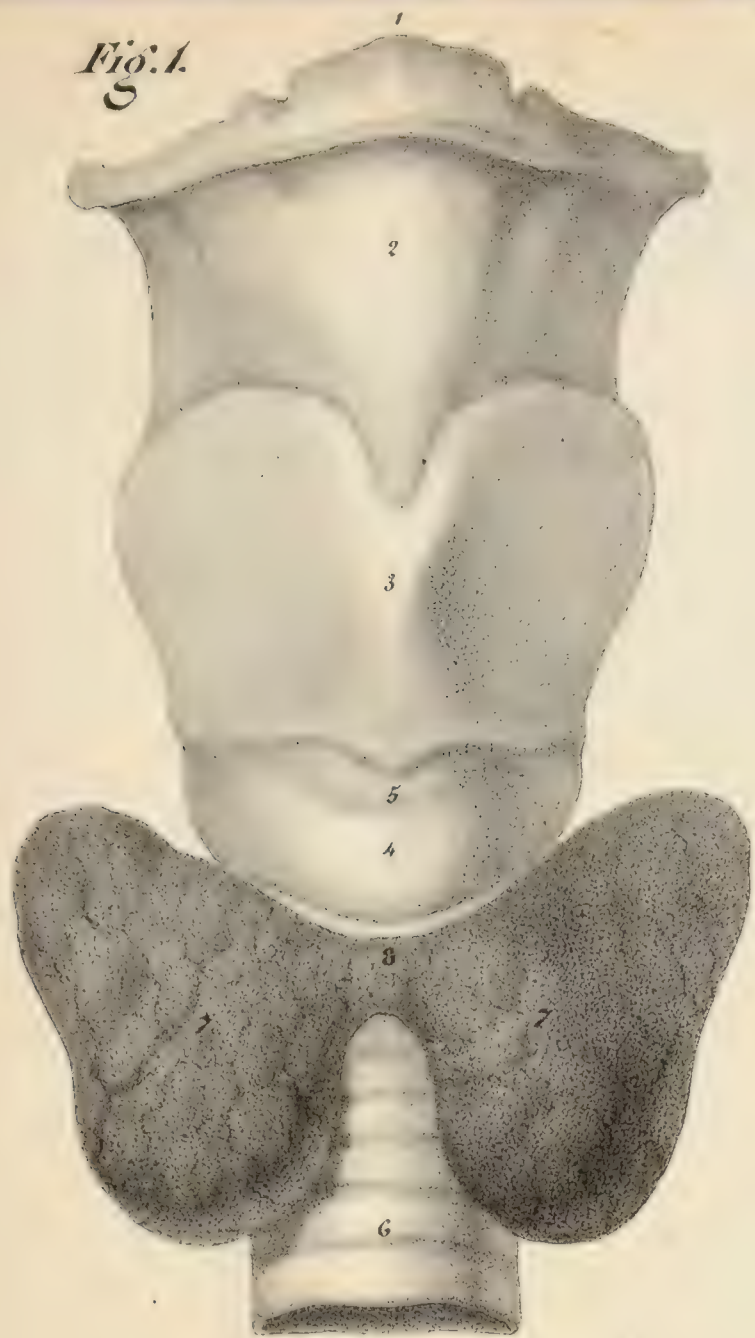


Fig. 2.

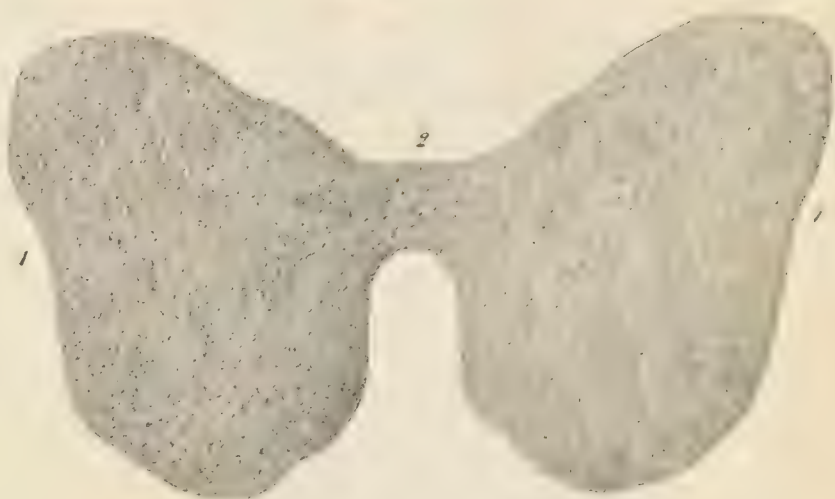


Fig. 4.

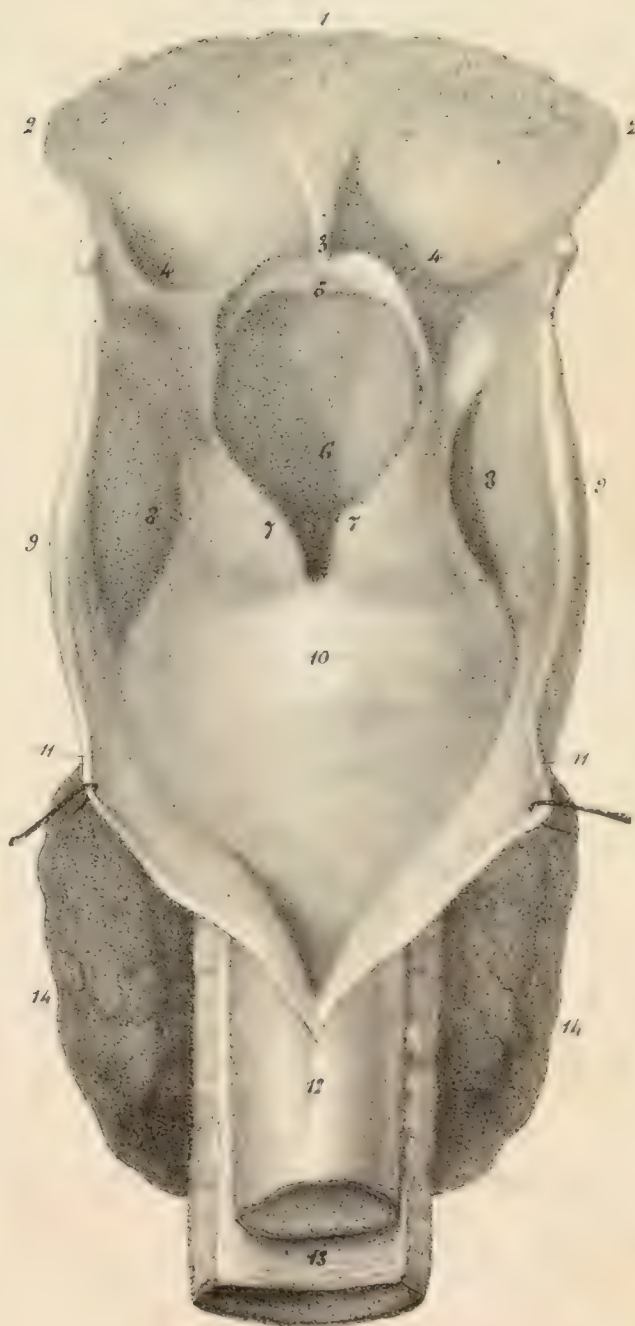


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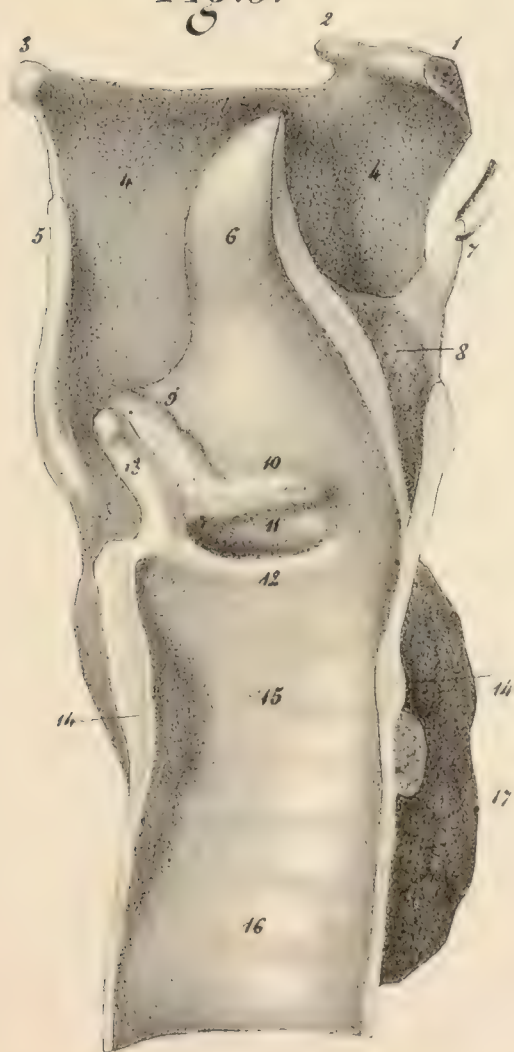


Fig. 1.

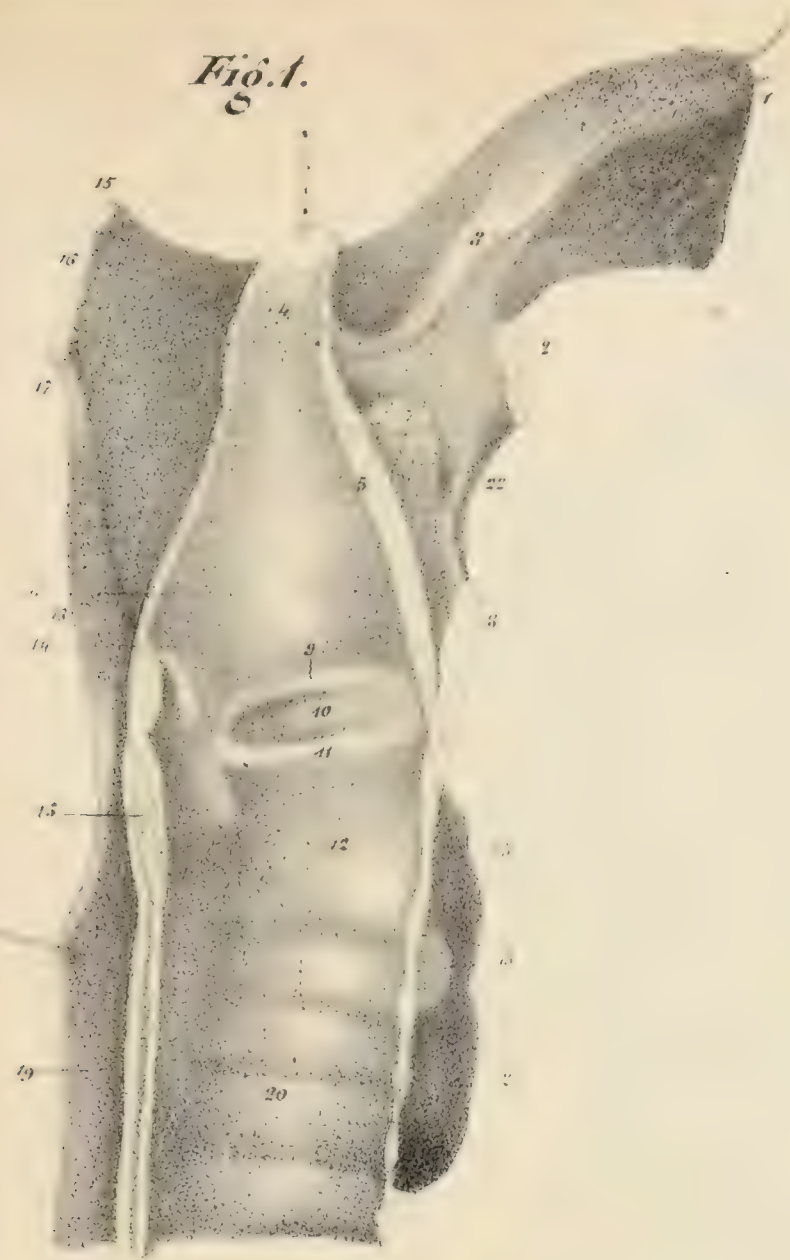


Fig. 2.



Fig. 3.



Fig. 4.



Fig. 6.

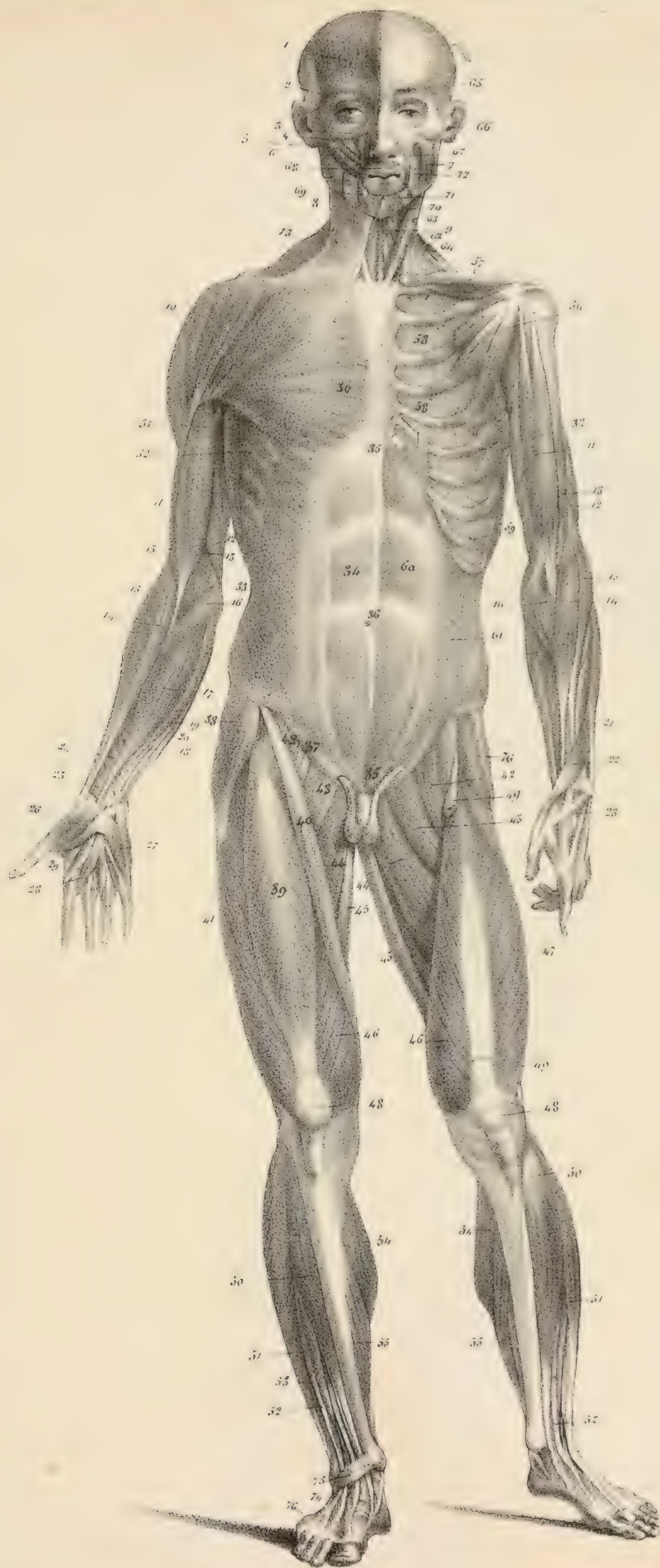


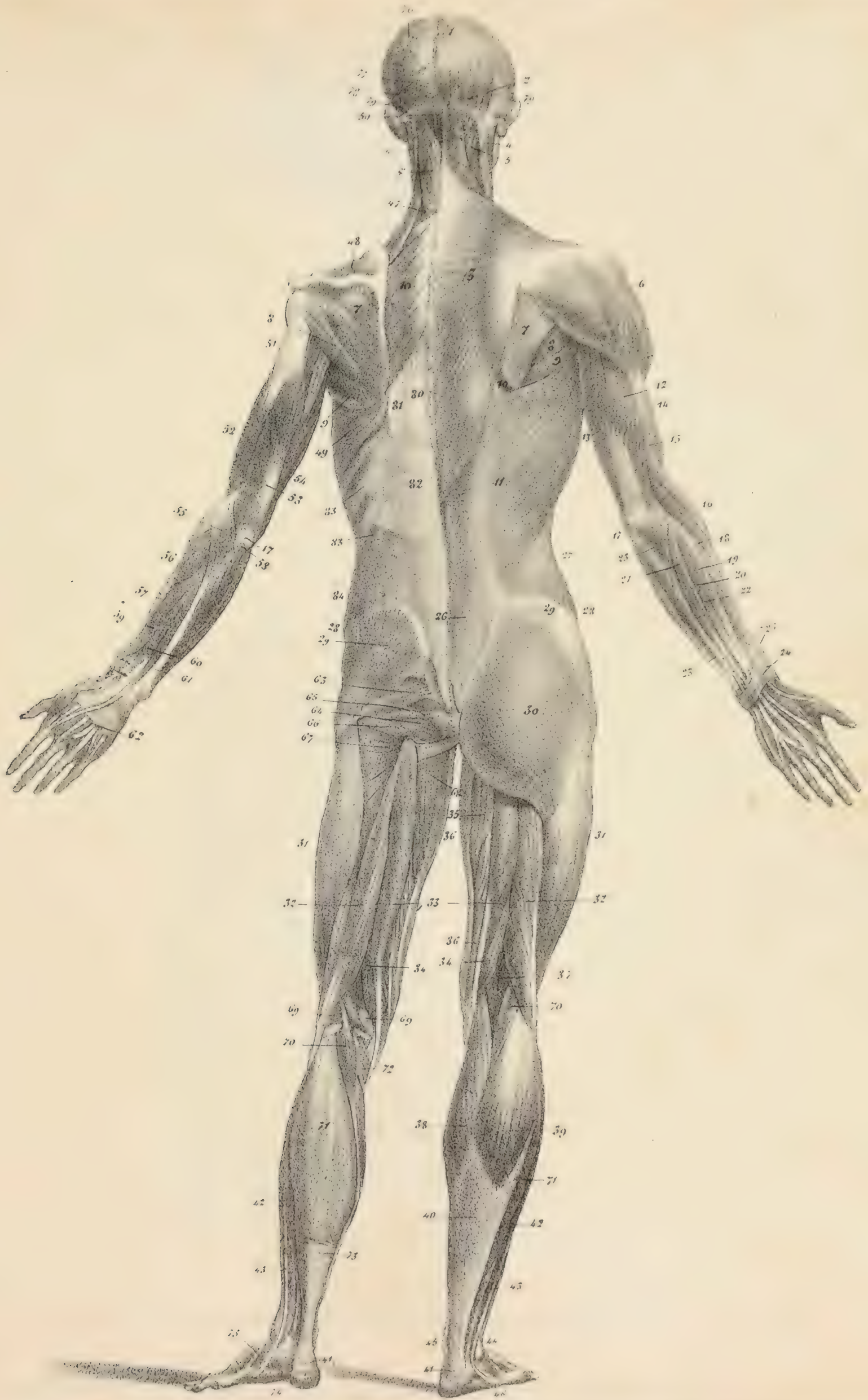
Fig. 5.



Fig. 7.











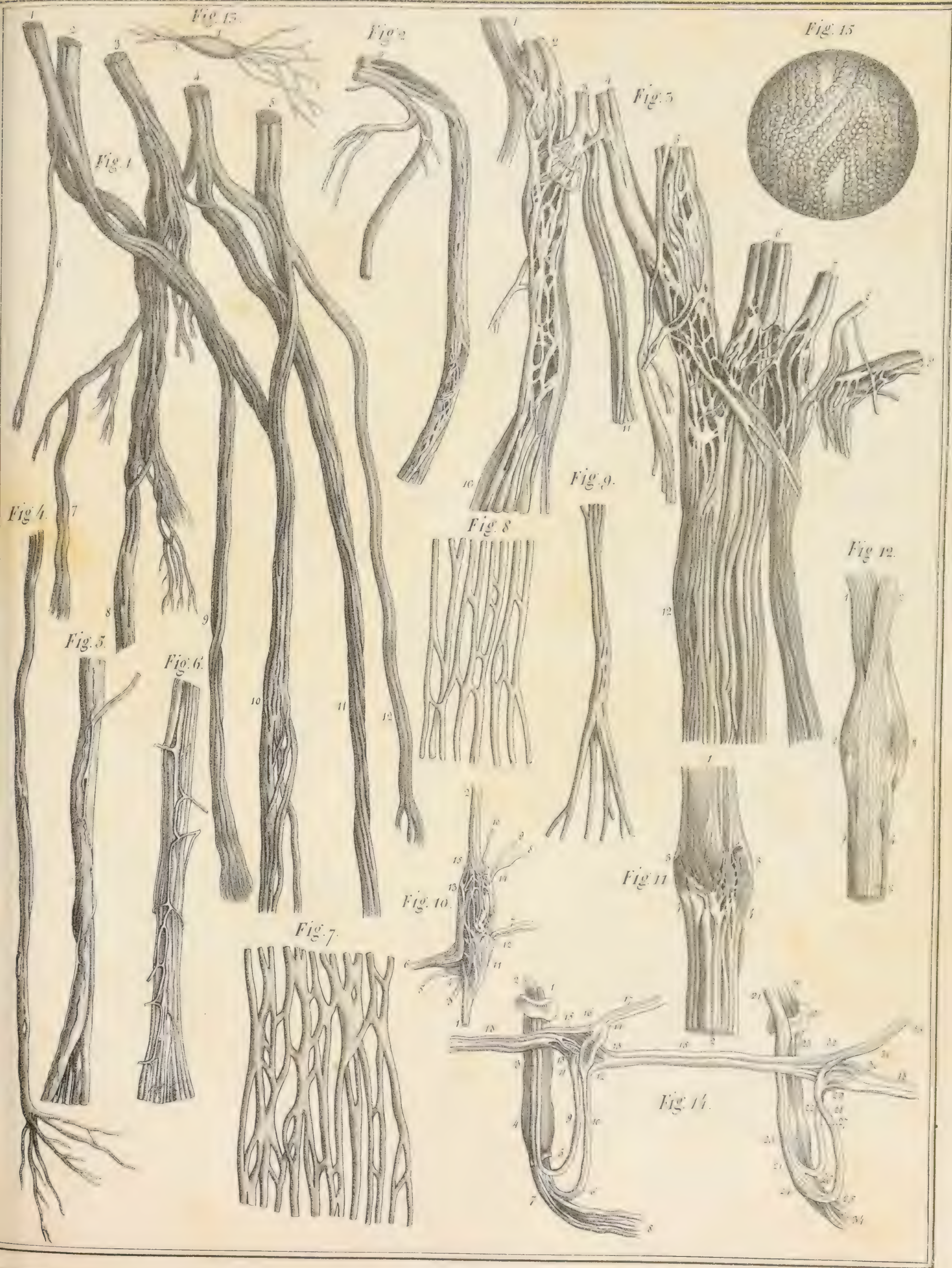


Fig. 1.



Fig. 2.

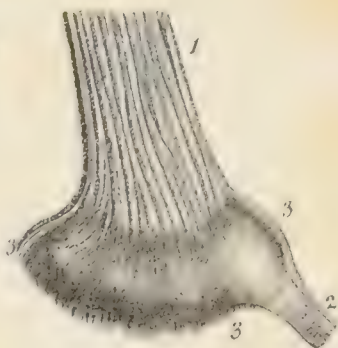


Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.

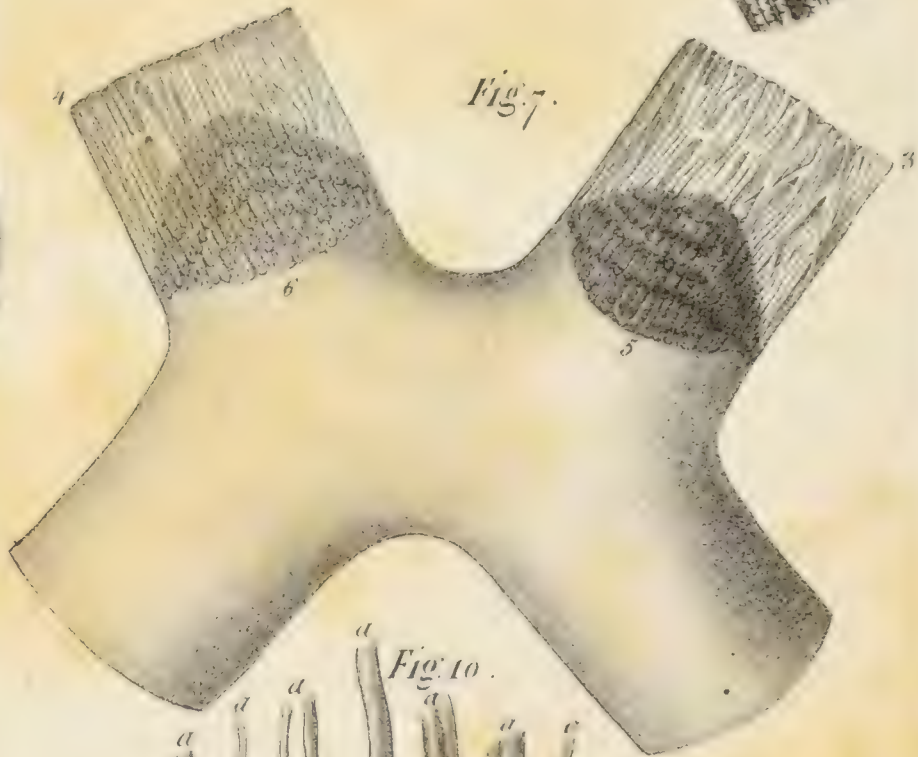


Fig. 7.

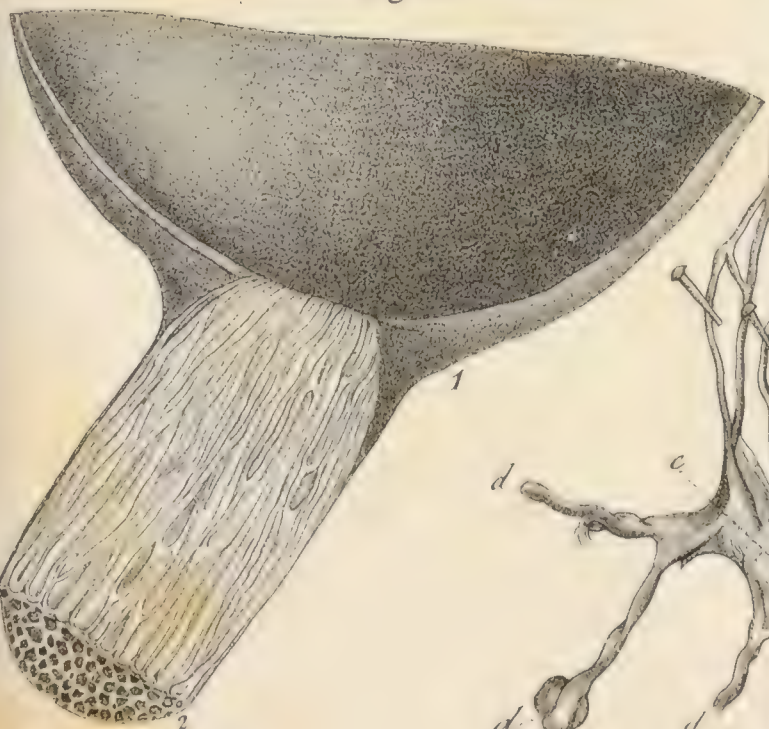


Fig. 8.



Fig. 9.

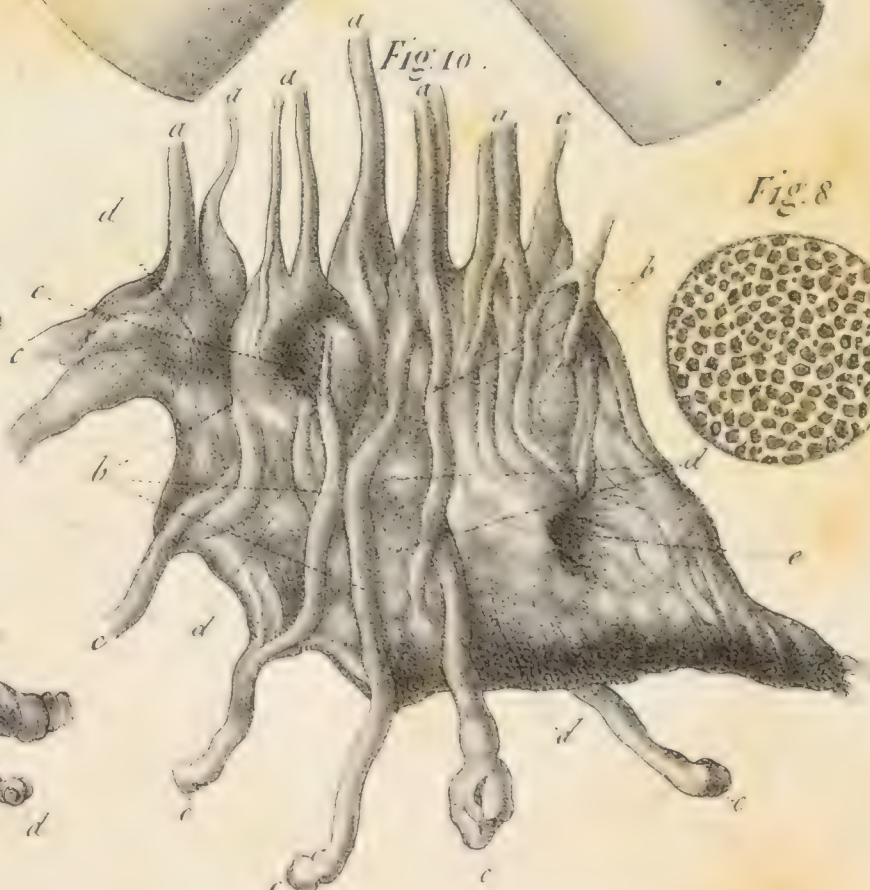


Fig. 10.

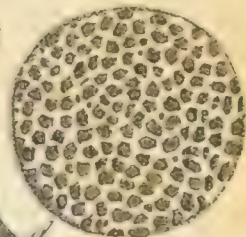


Fig. 1.

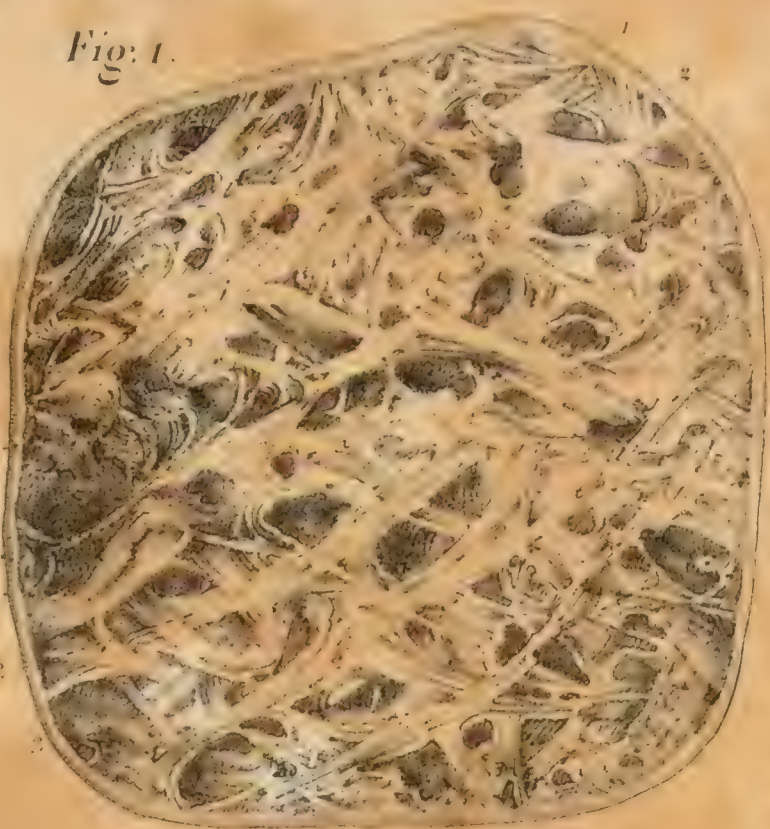


Fig. 2.

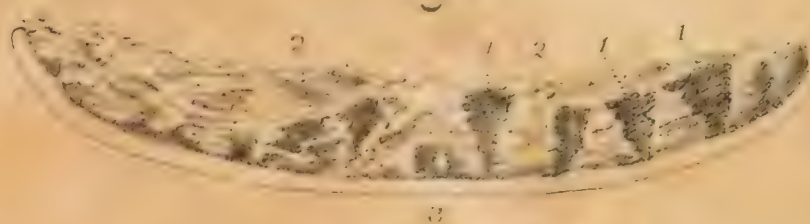


Fig. 4.



Fig. 8.



Fig. 3.



Fig. 7.



Fig. 6.



Fig. 5.



Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.

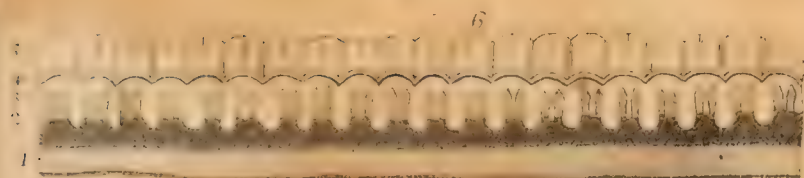


Fig. 8.

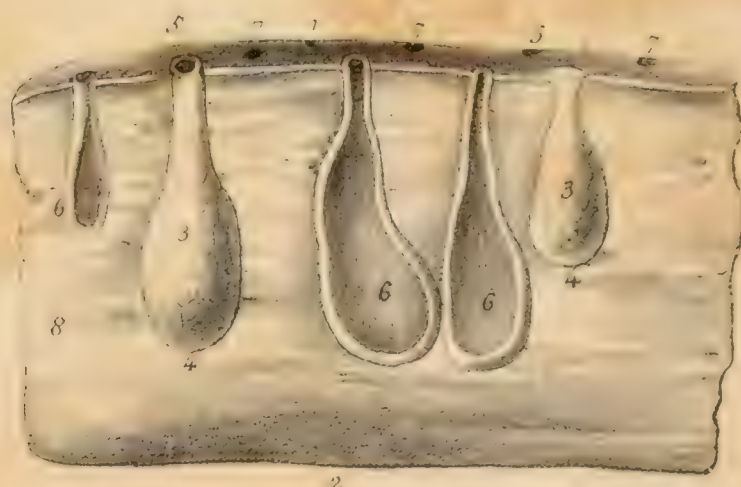


Fig. 6.



Fig. 9.



Fig. 10.

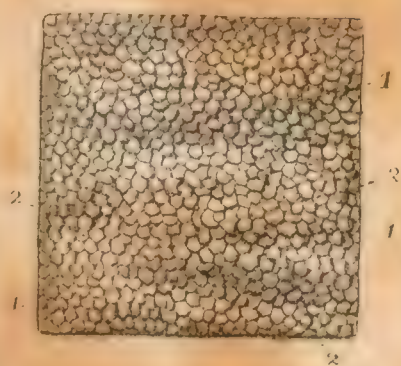


Fig. 7.



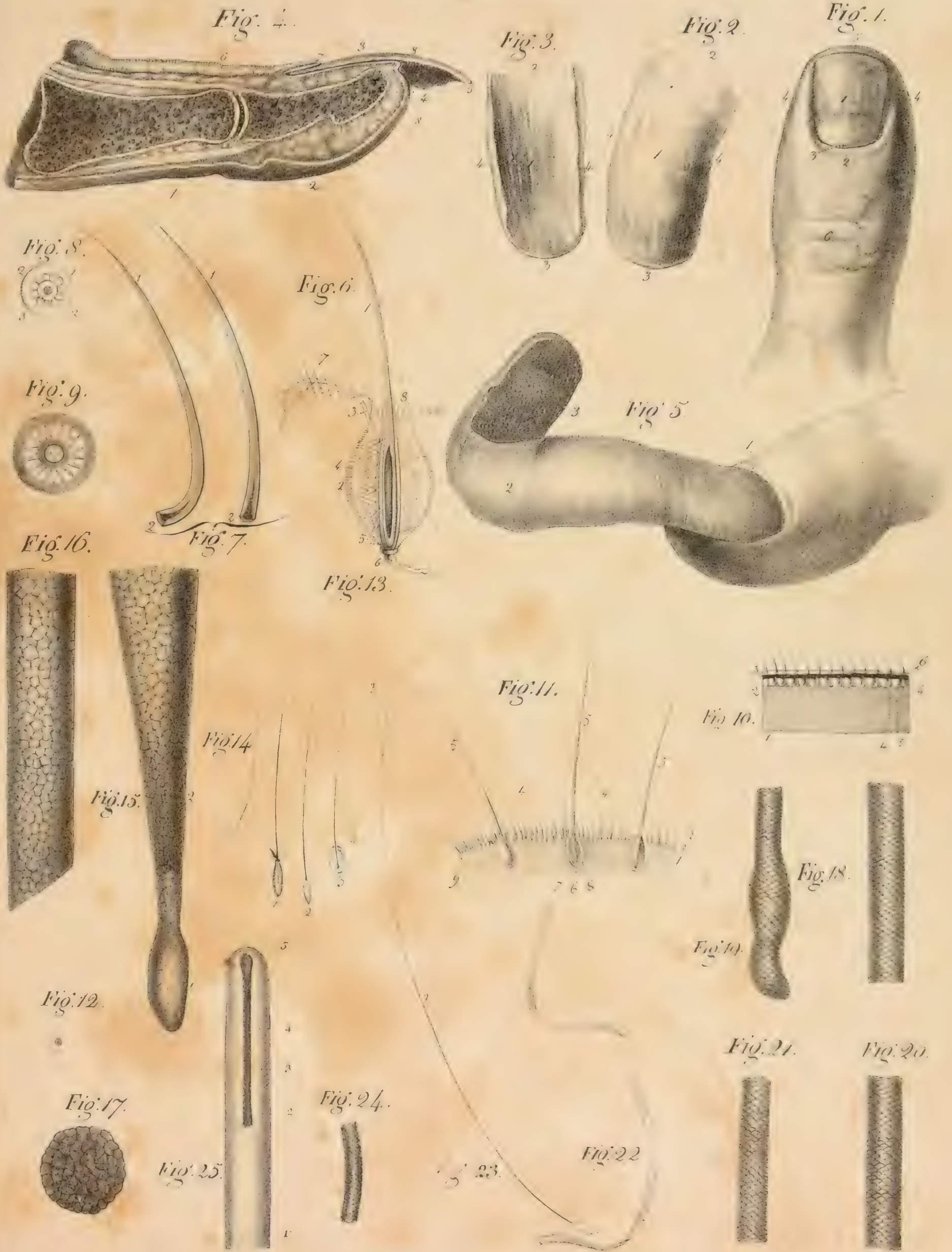




Fig. 1.



Fig. 8.

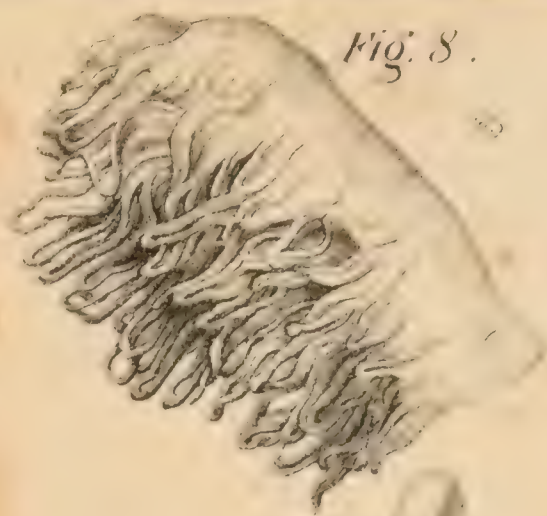


Fig. 3.

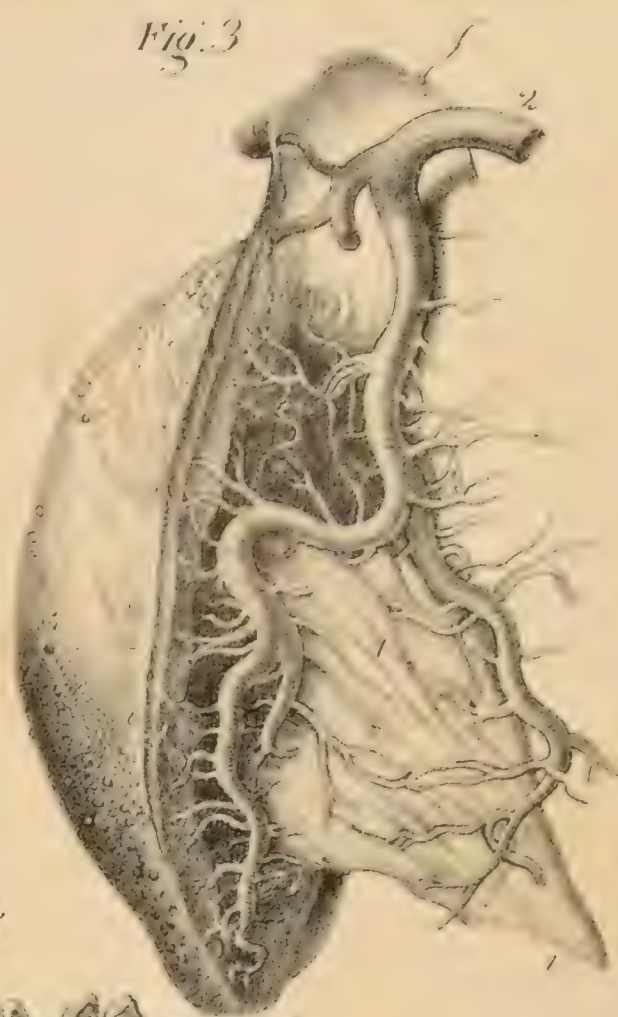


Fig. 2.



Fig. 5.



Fig. 4.

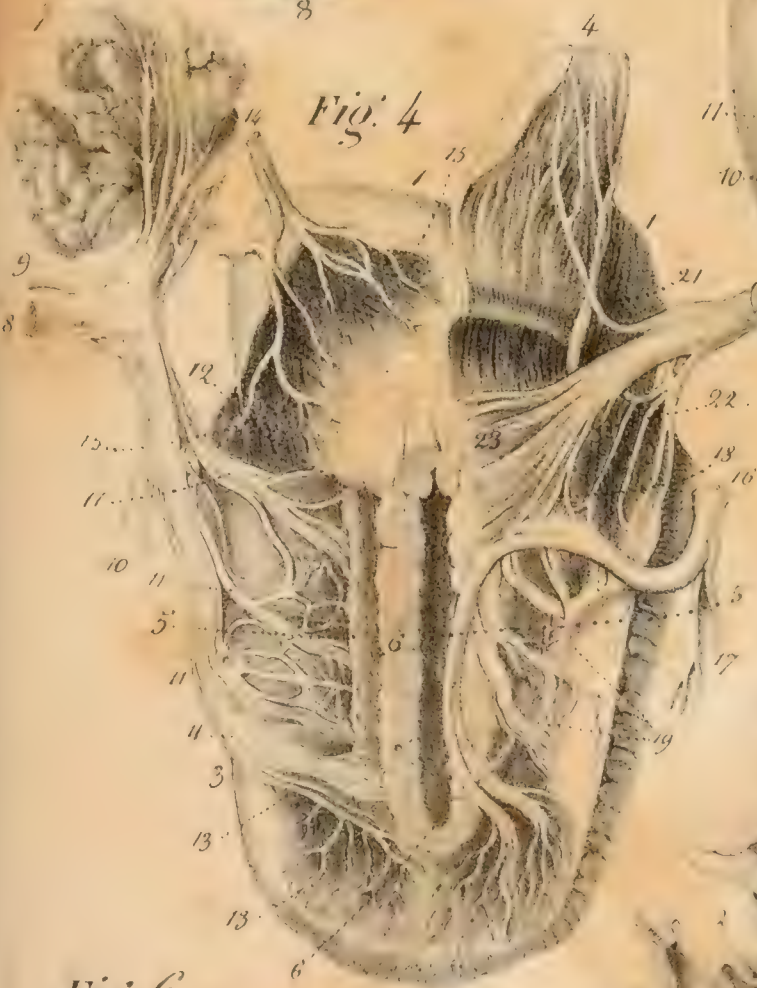


Fig. 7.



Fig. 6.

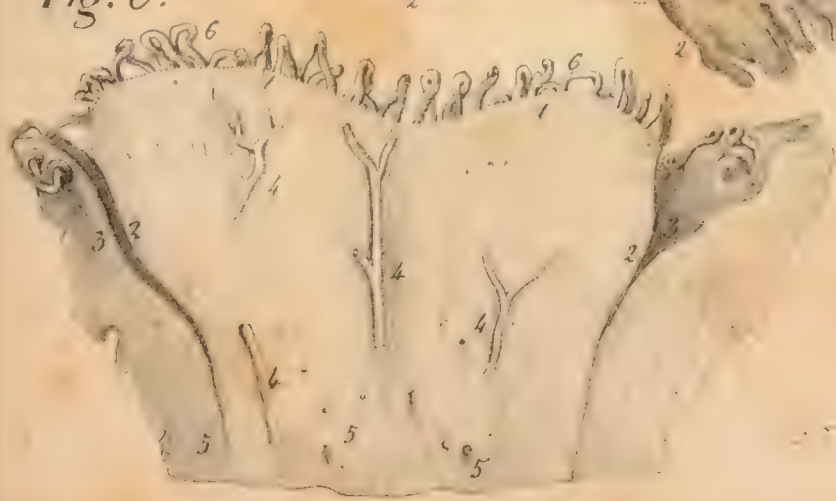


Fig. 9.

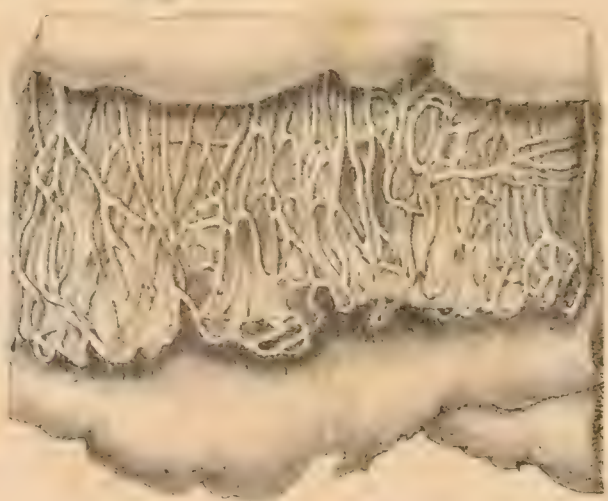


Fig. 1.



Fig. 2.



Fig. 3.

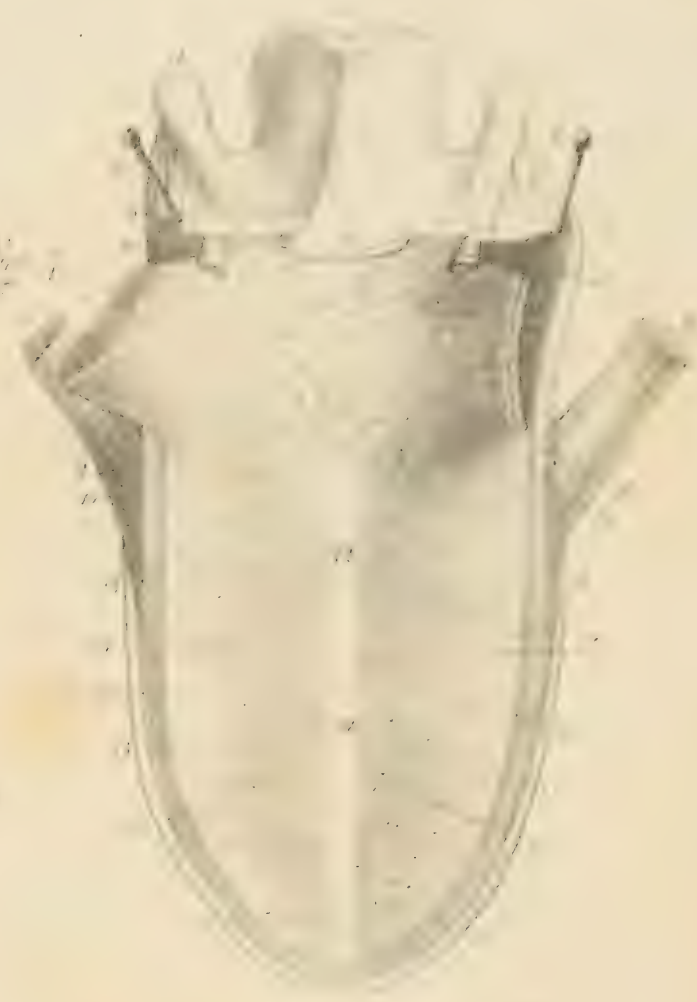


Fig. 4.

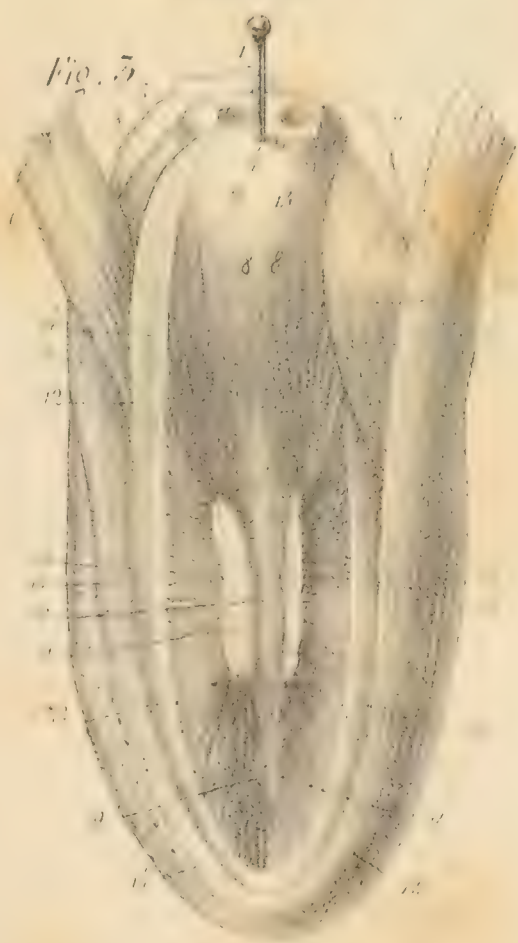


Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.

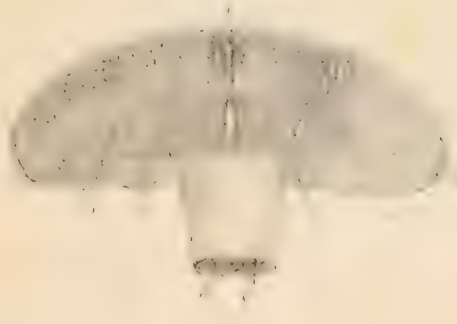
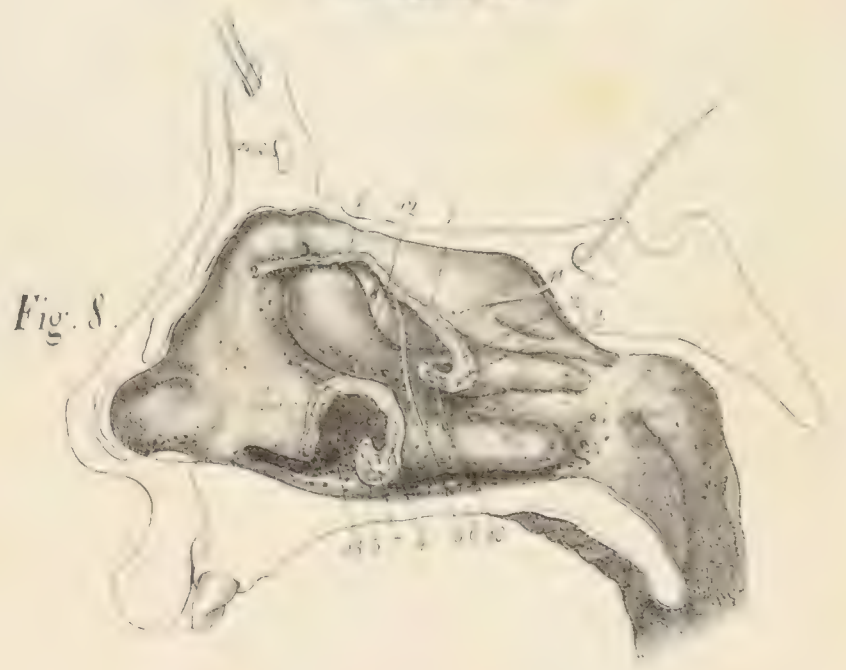
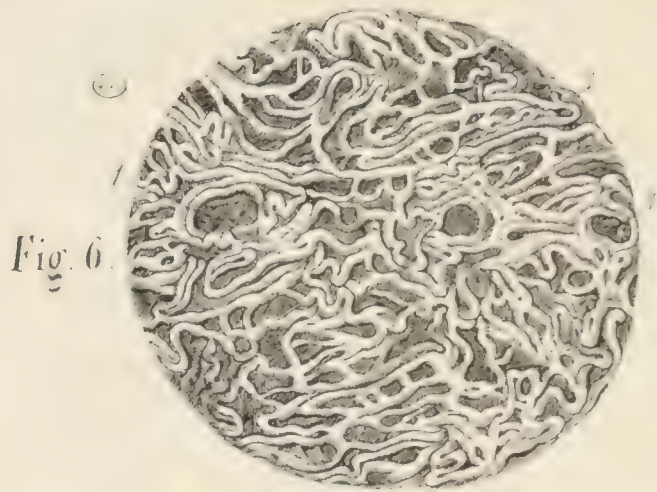
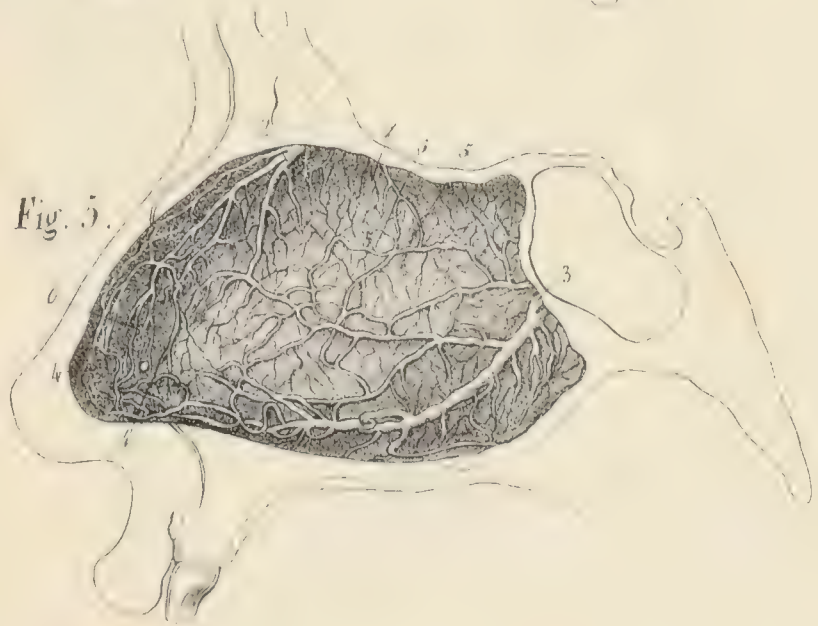
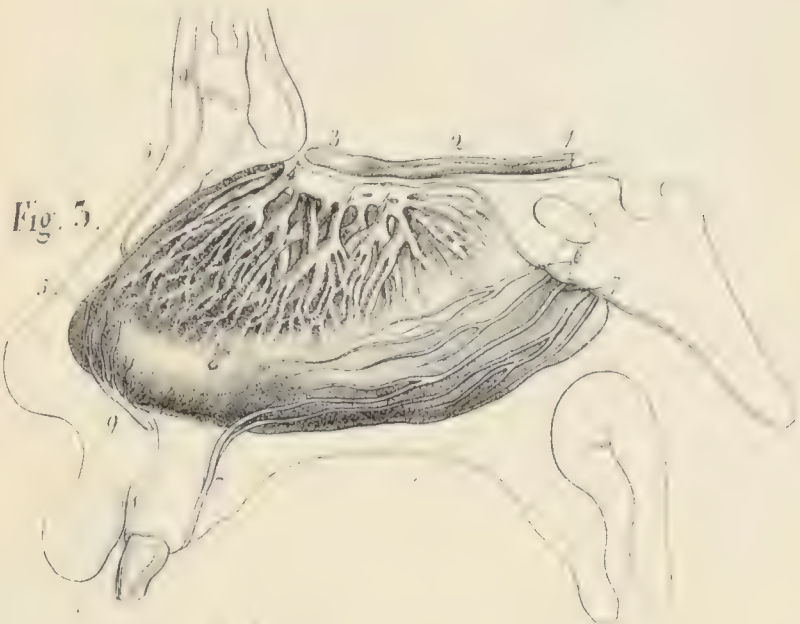
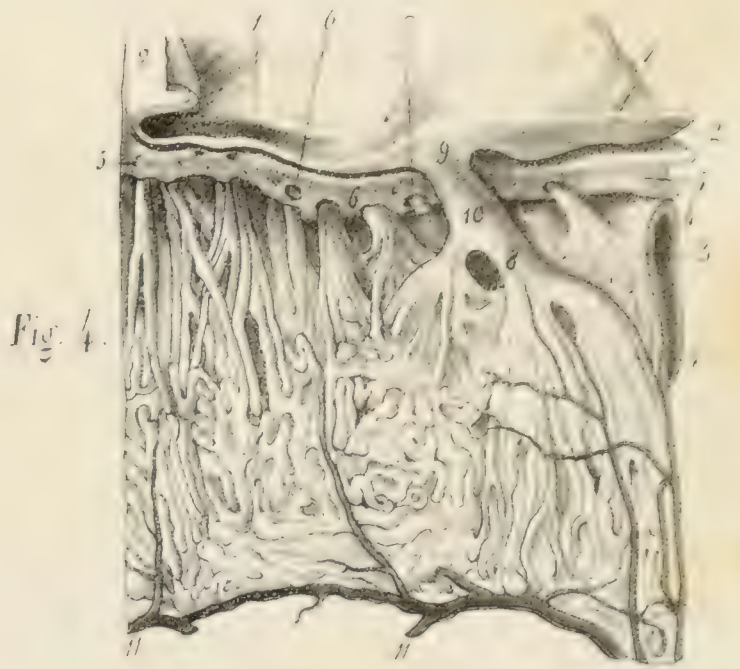
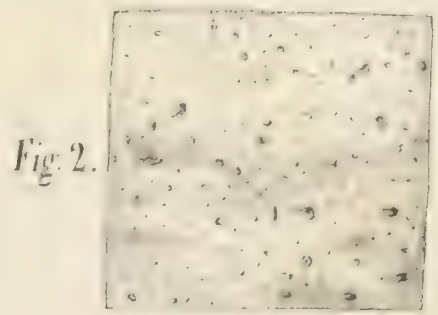
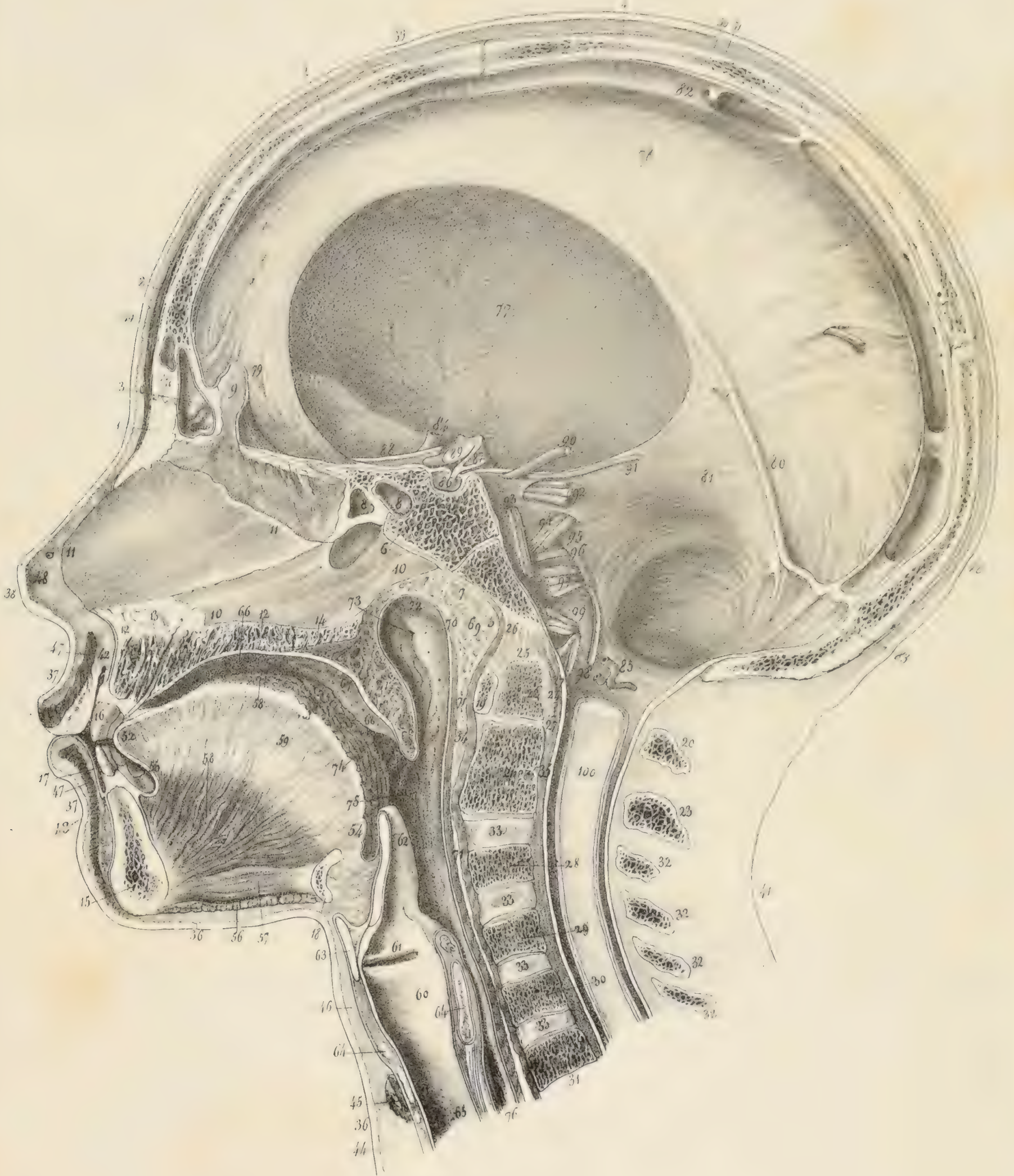


Fig. 9.









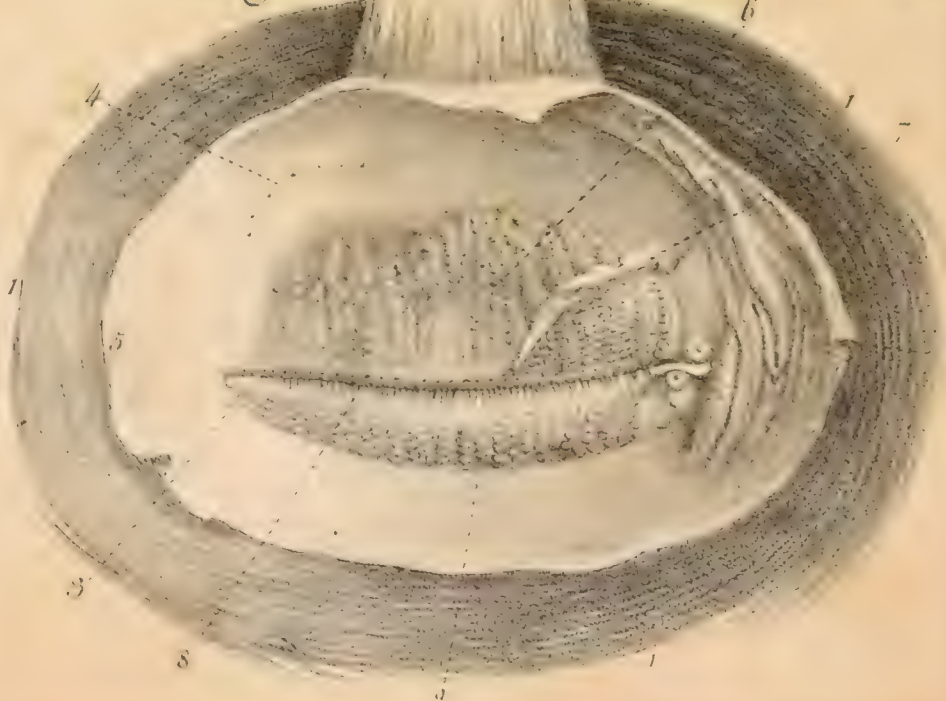
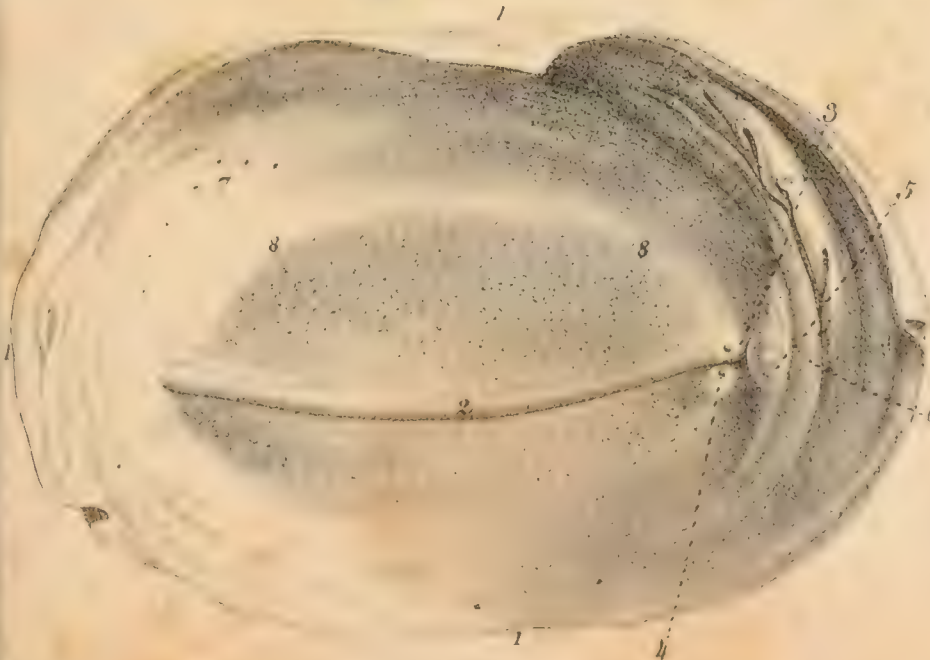
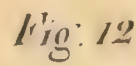
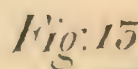
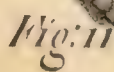
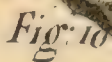
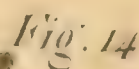
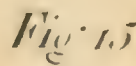
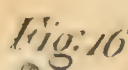
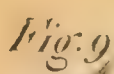
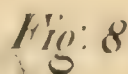
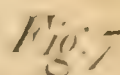
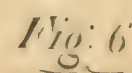
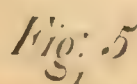
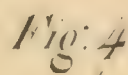
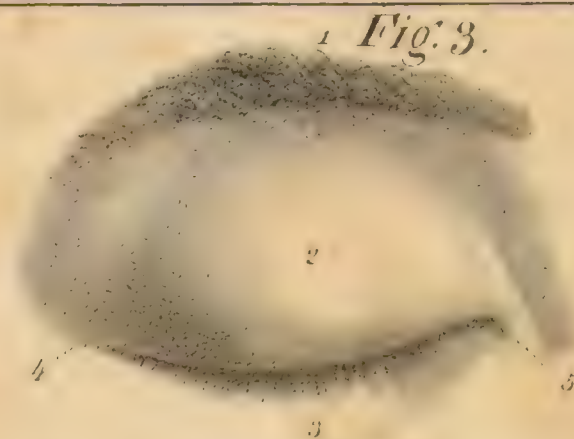
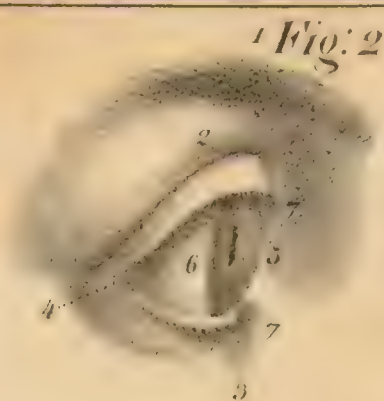


Fig. 1

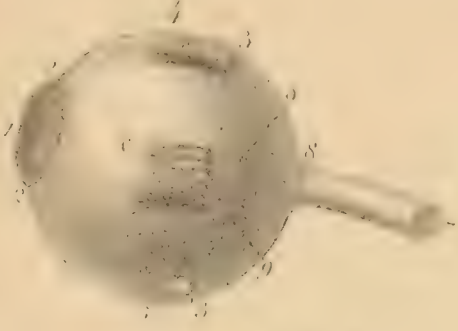


Fig. 2

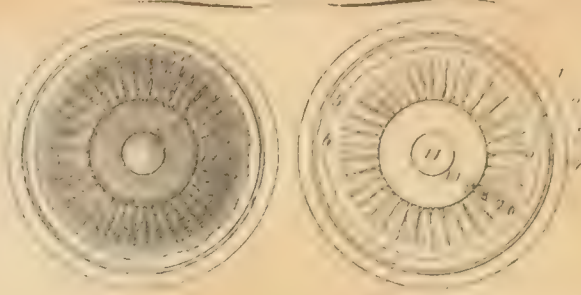


Fig. 3

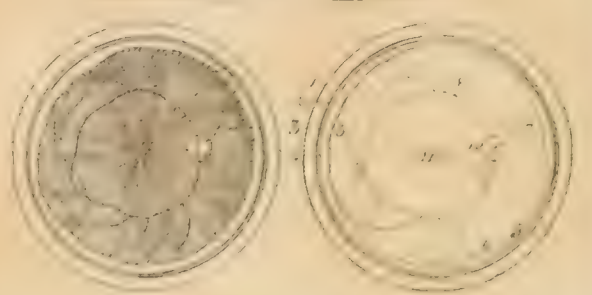


Fig. 5.

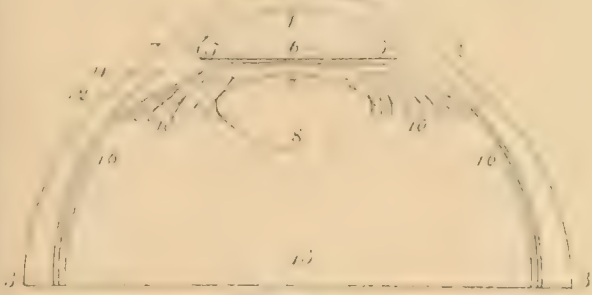


Fig. 6

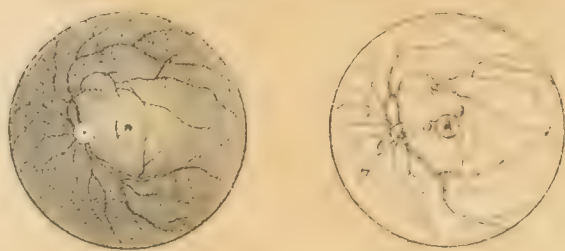


Fig. 7

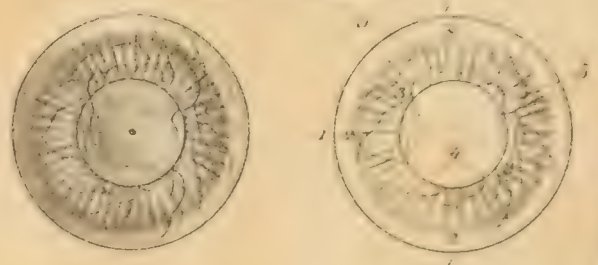


Fig. 4

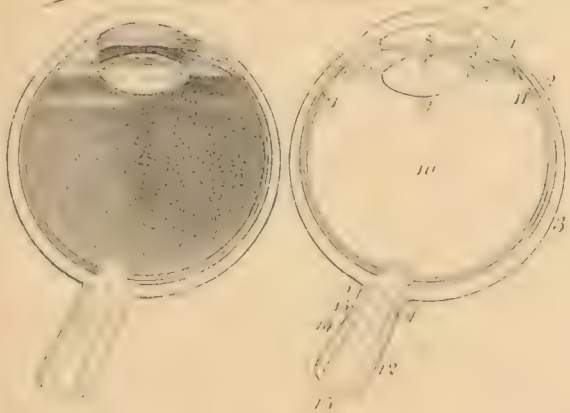


Fig. 9

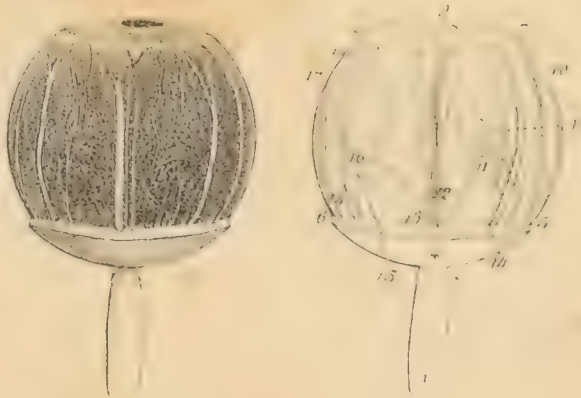


Fig. 10

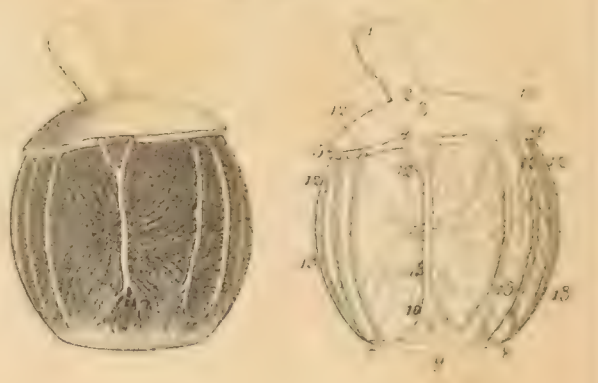


Fig. 8

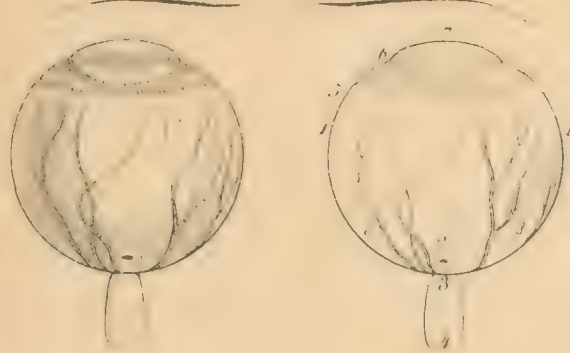


Fig. 11

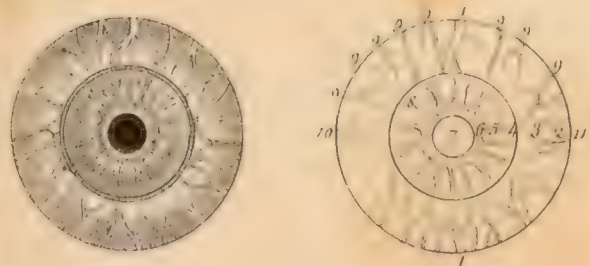


Fig. 12



Fig. 13.

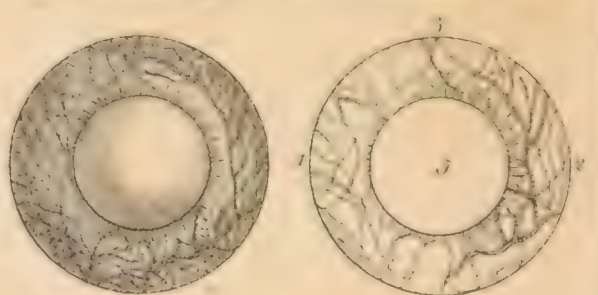


Fig. 1.



Fig. 2.



Fig. 3.



Fig. 2

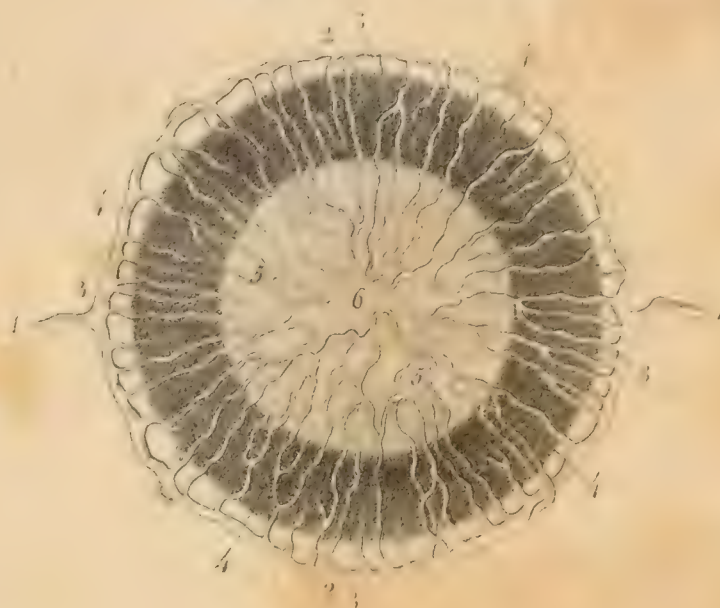


Fig. 5

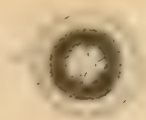


Fig. 1



Fig. 6

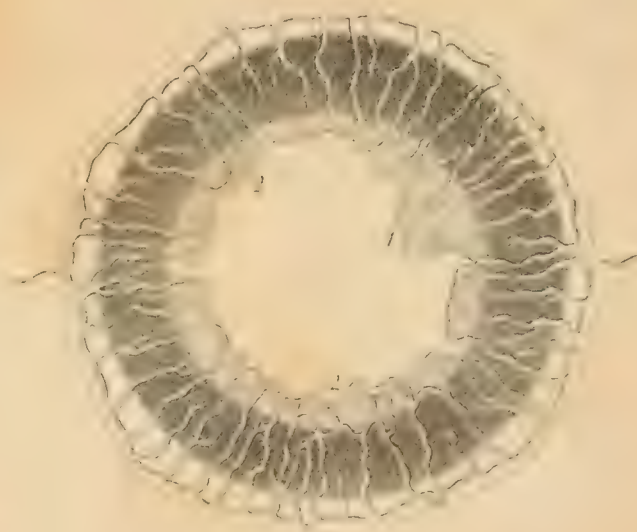


Fig. 3



Fig. 4

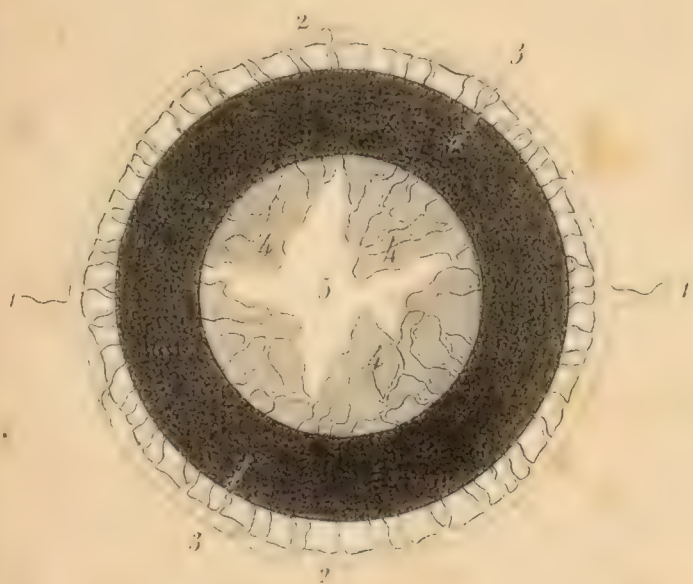


Fig. 9

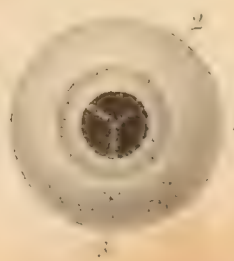


Fig. 8



Fig. 10

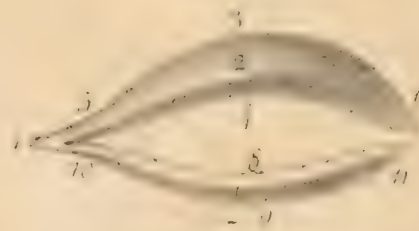


Fig. 7





Fig. 1b.

Fig. 1.



Fig. 2b.

Fig. 2.



Fig. 3b.

Fig. 3.

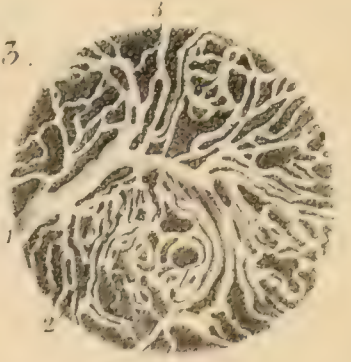


Fig. 4b.

Fig. 5.

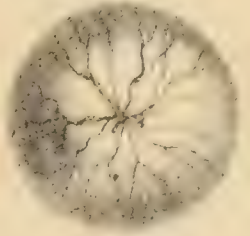


Fig. 4b.

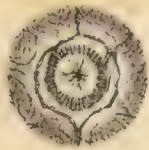


Fig. 6.

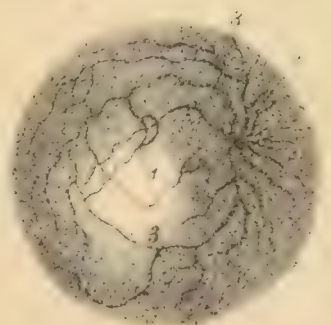


Fig. 4.

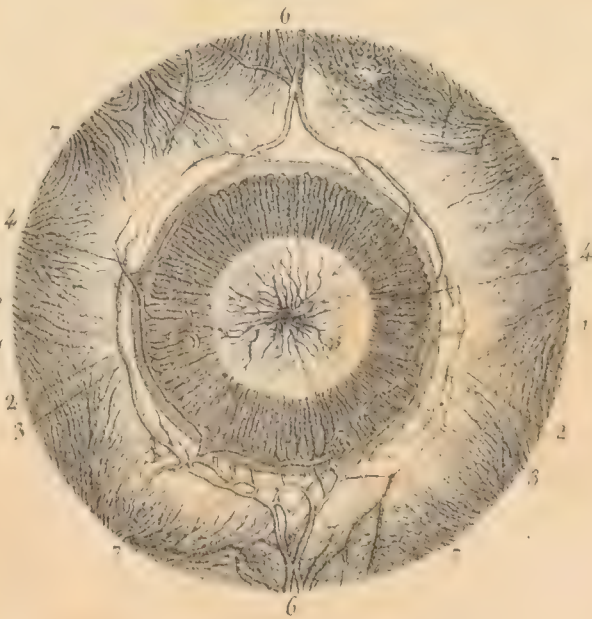


Fig. 7.

Fig. 7.



Fig. 1.



Fig. 3.



Fig. 5.

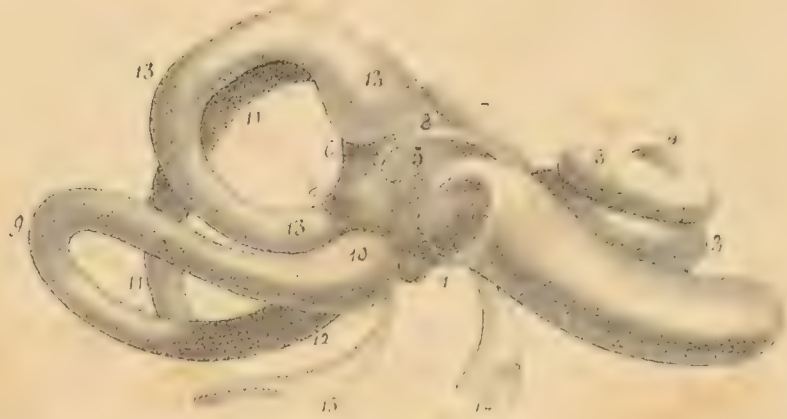


Fig. 2.



Fig. 4.



Fig. 6.



Fig. 7.

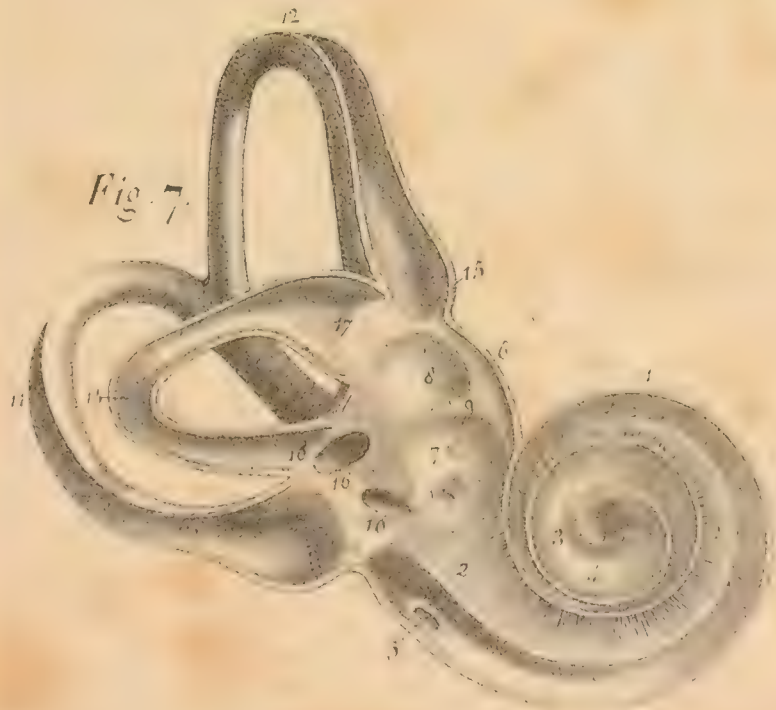


Fig. 8.



Fig 1.



Fig 2.



Fig 5.



Fig 6.



Fig 3.

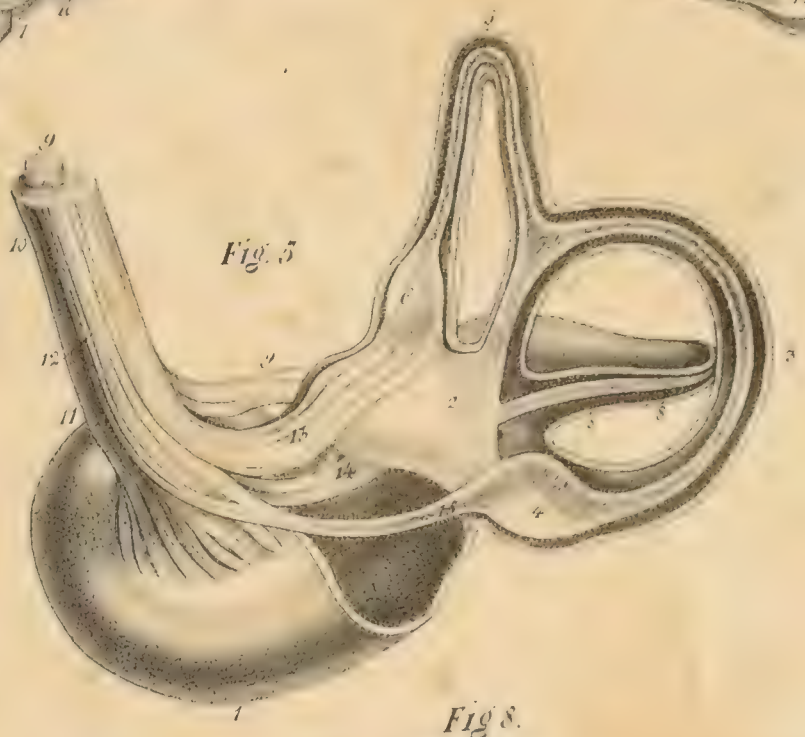


Fig 4.



Fig 7.



Fig 8.



Fig 9.



Fig 10.

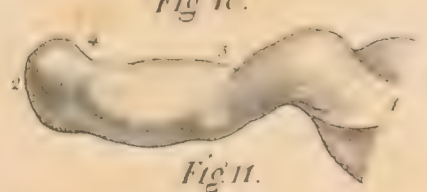


Fig 12.



Fig 11.



Fig. 1.



Fig. 2.



Fig. 3.

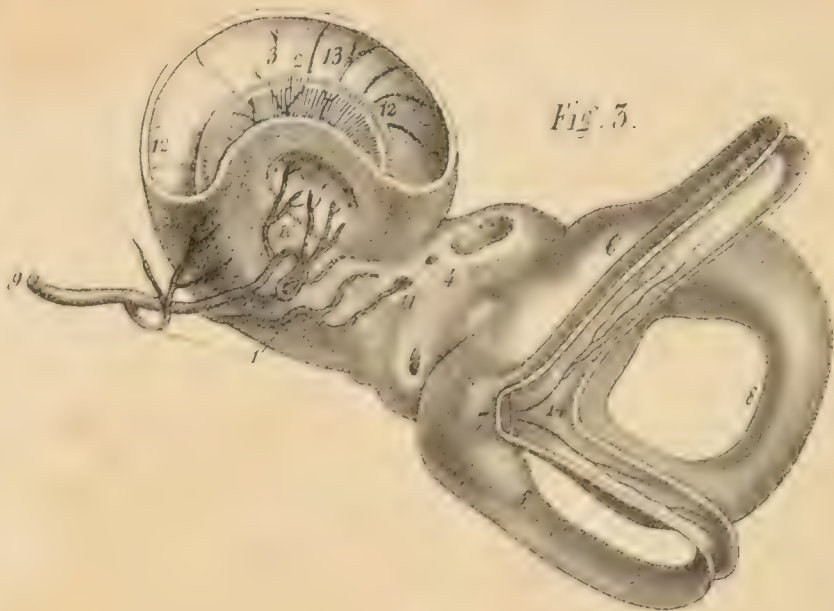


Fig. 4.



Fig. 5.



Fig. 6.

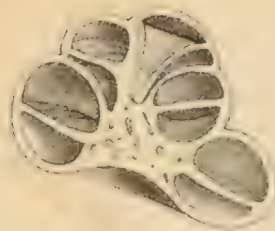


Fig. 7.



Fig. 8.

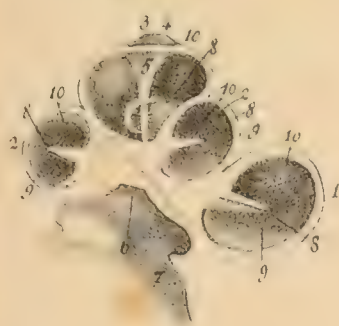


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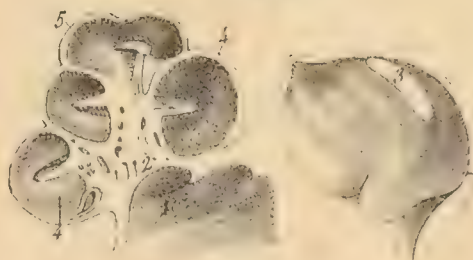


Fig. 10.

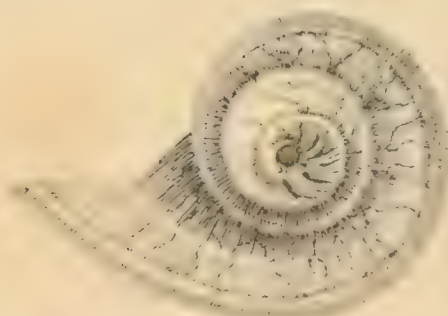


Fig. 11.



Fig. 12.



Fig. 13.



Fig. 14.



Fig. 15.



Fig. 16.

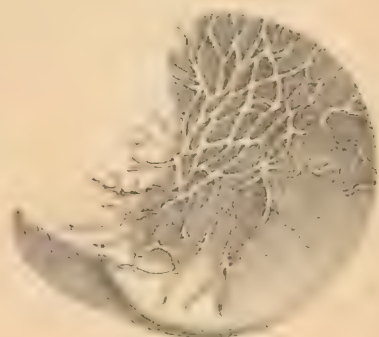


Fig 2



Fig 1



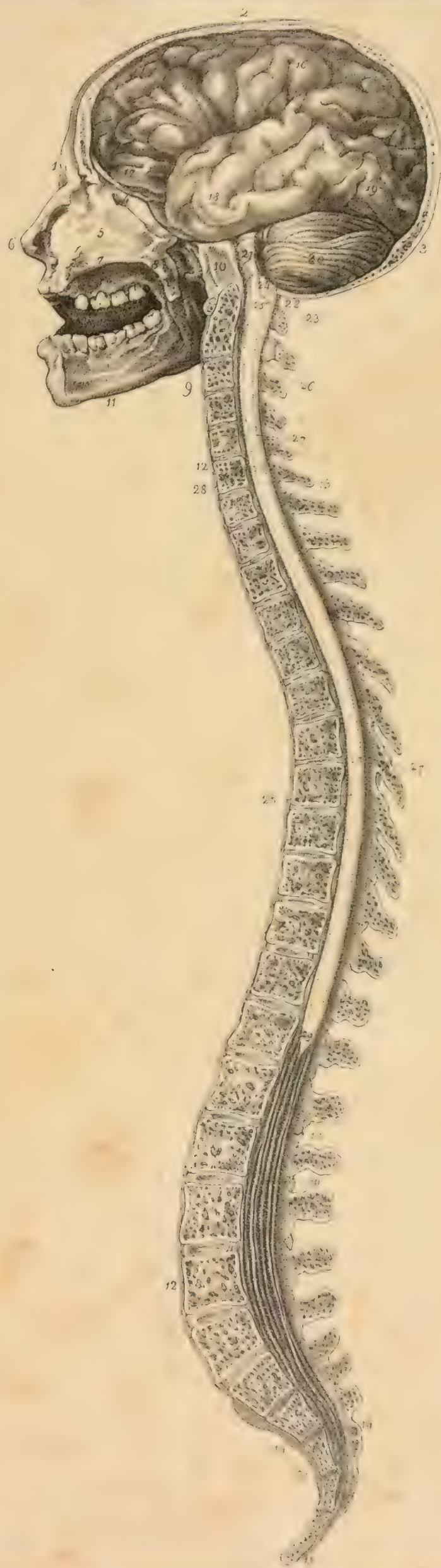
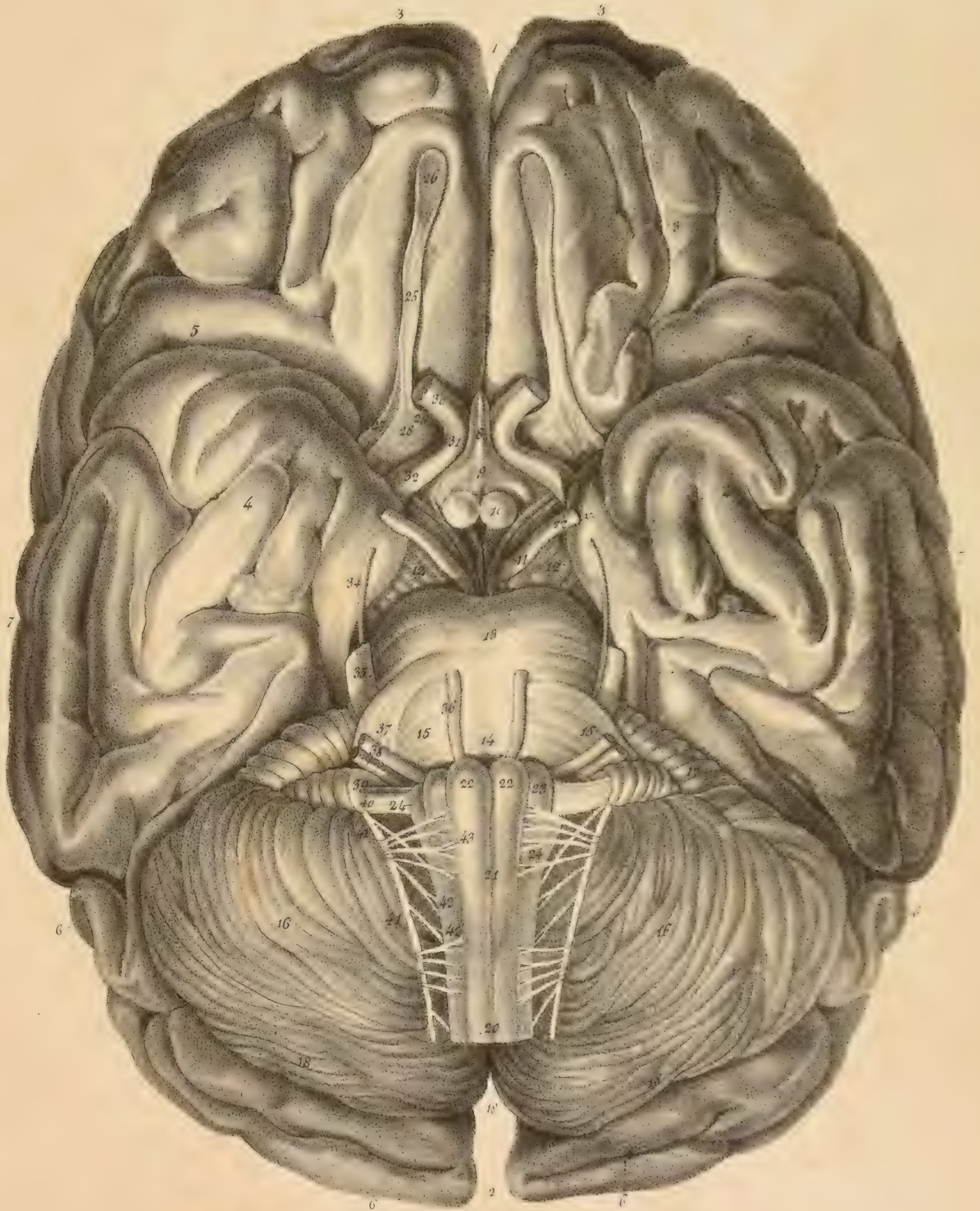


Fig 2

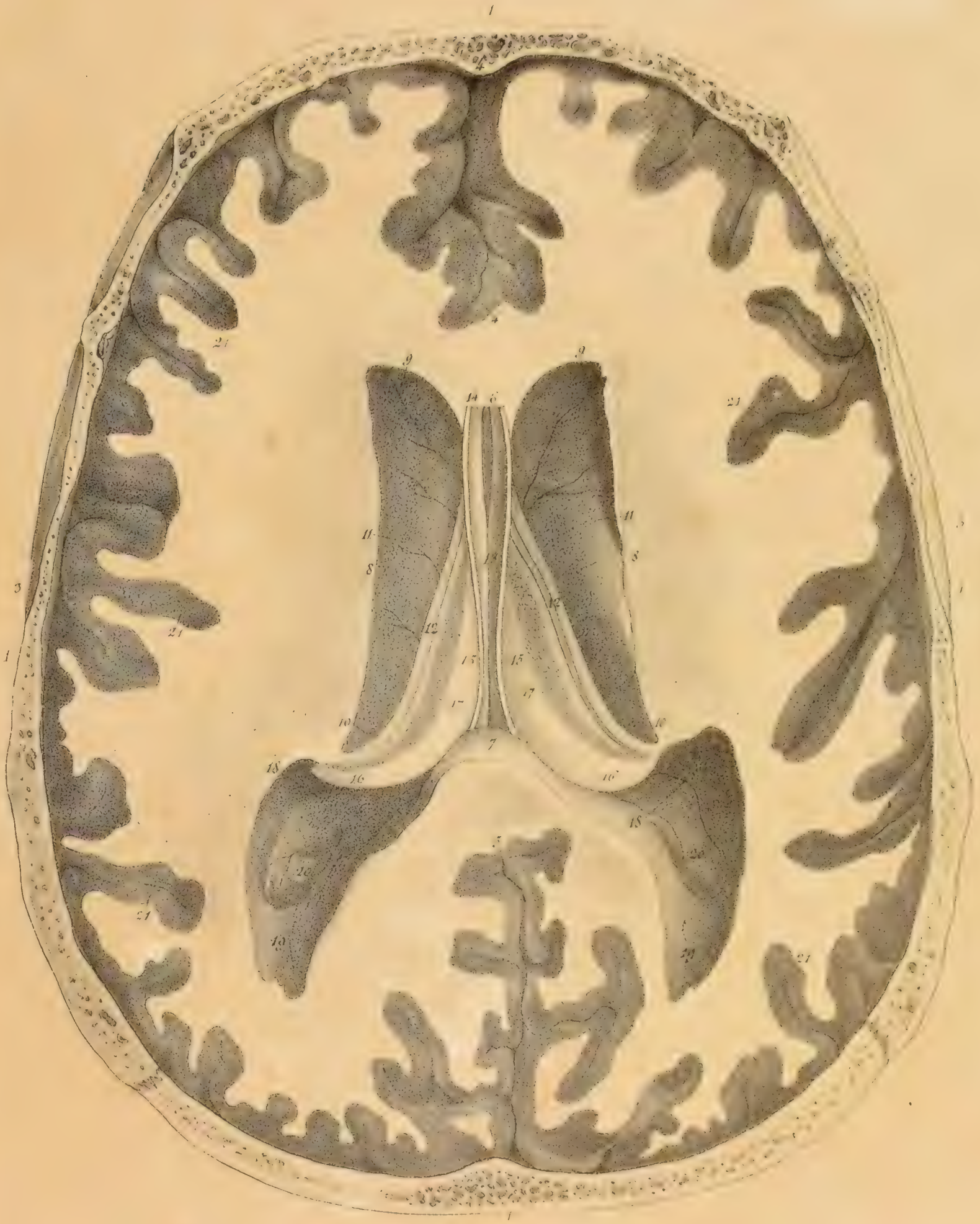


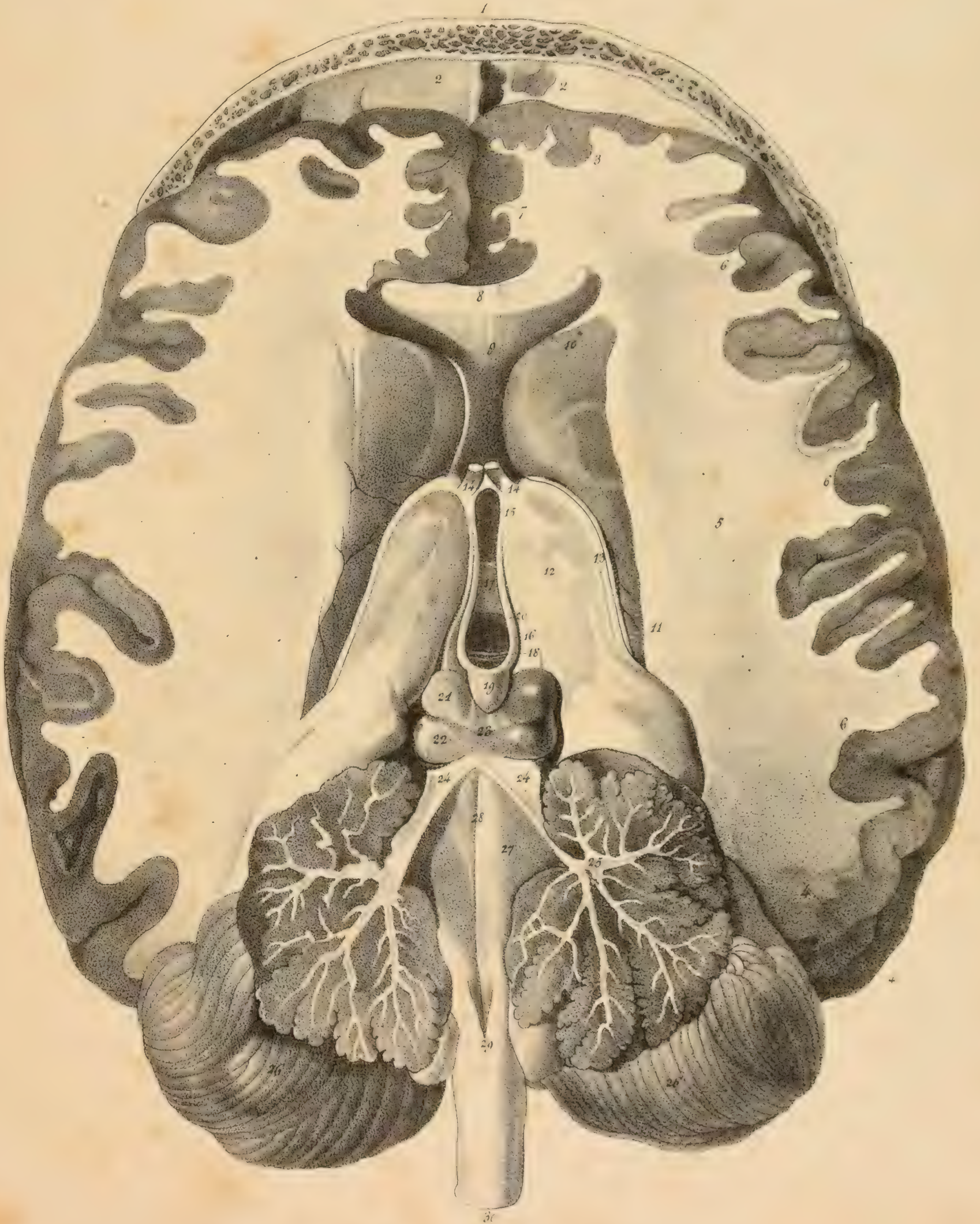
Fig 1











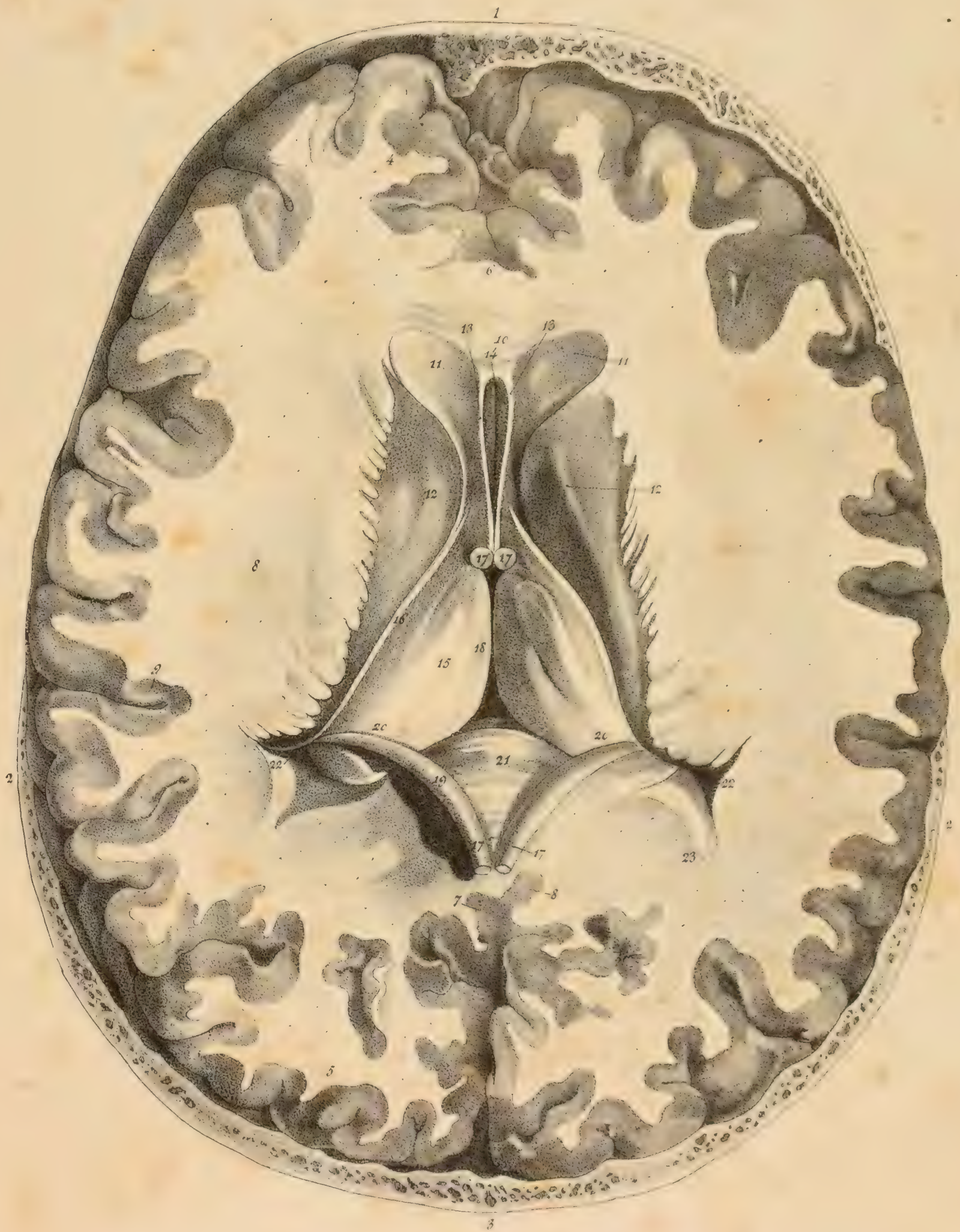
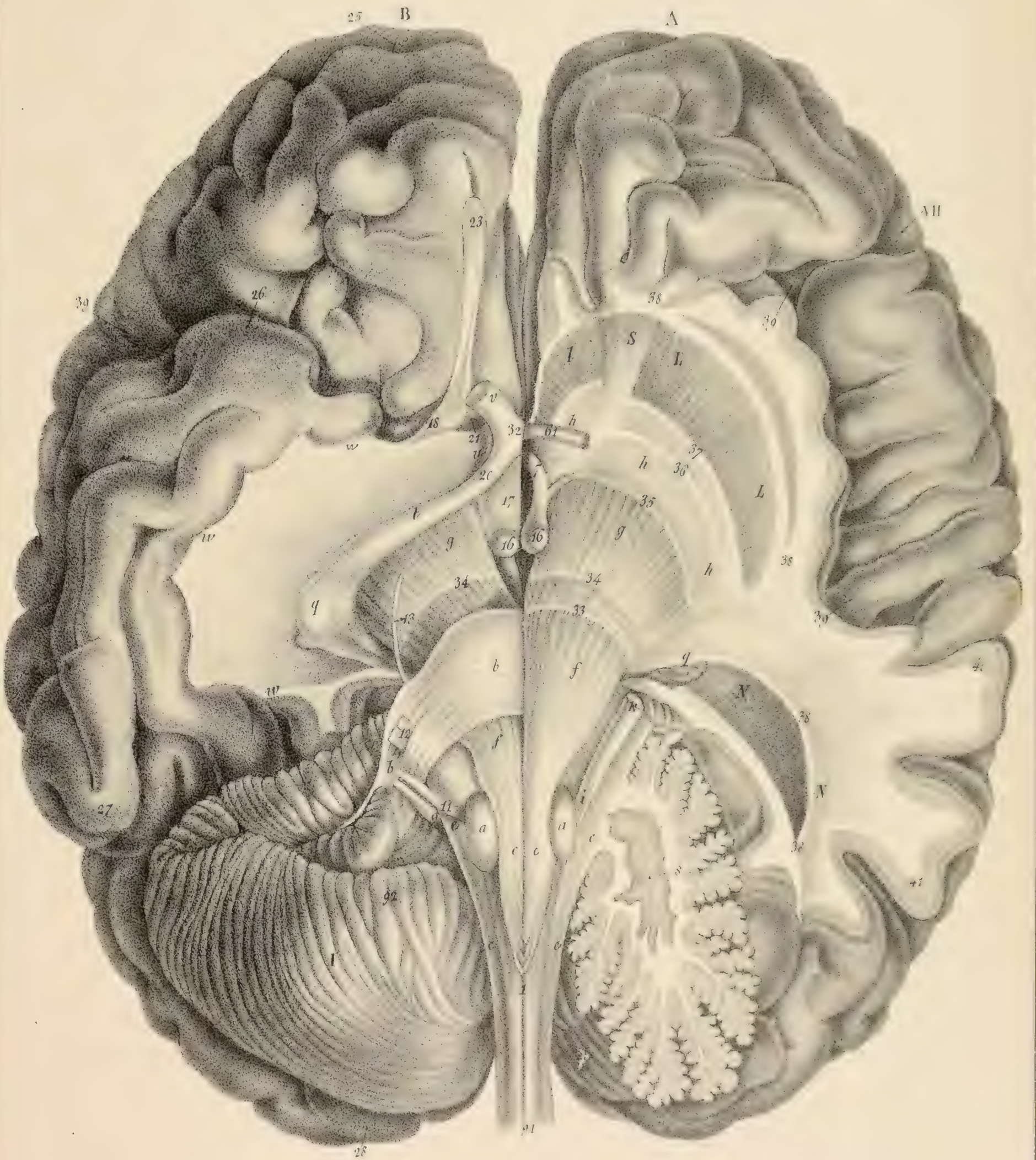


Fig. 1



Fig. 2







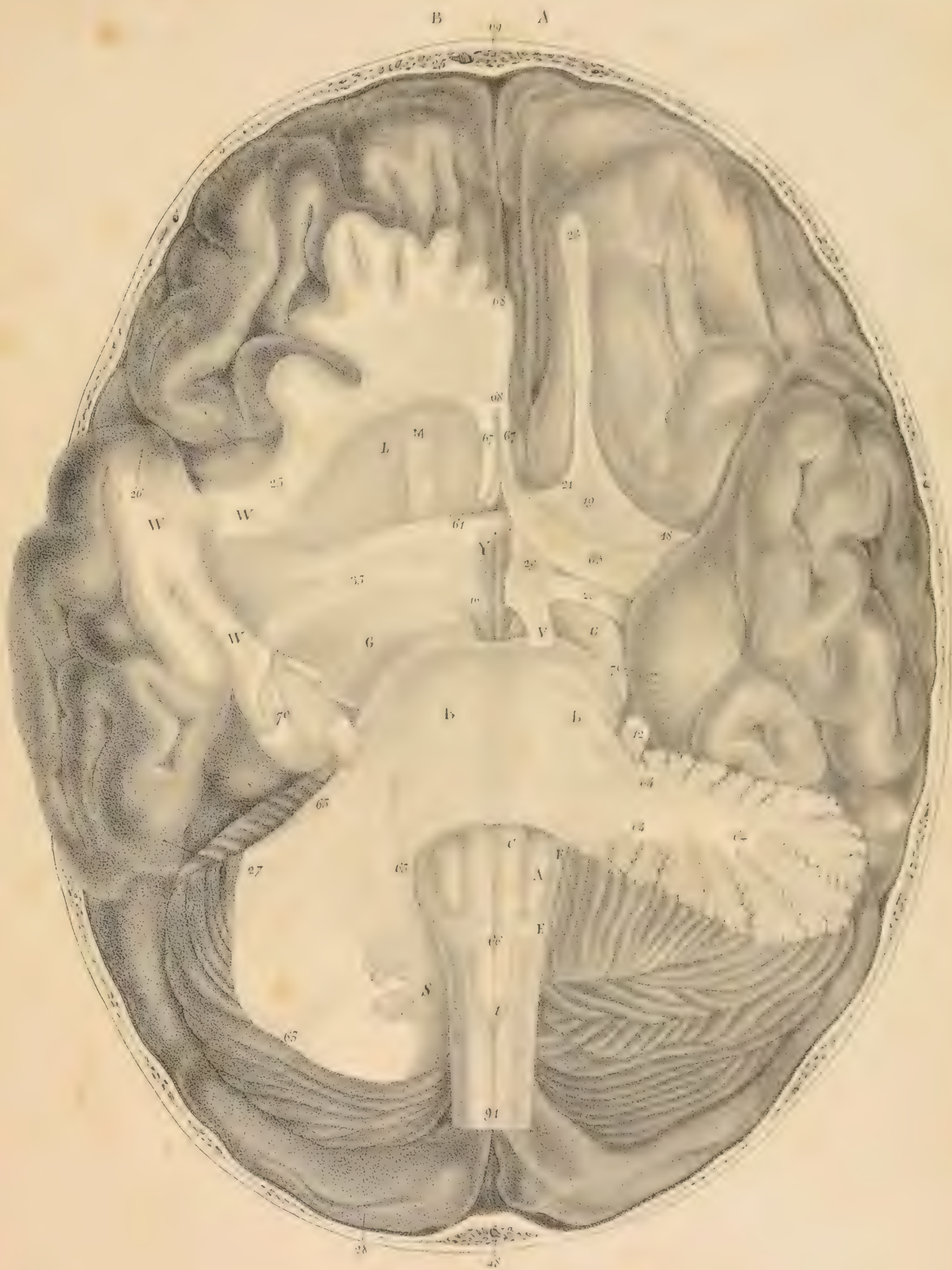














Fig. 1.



Fig 2



Fig 4.

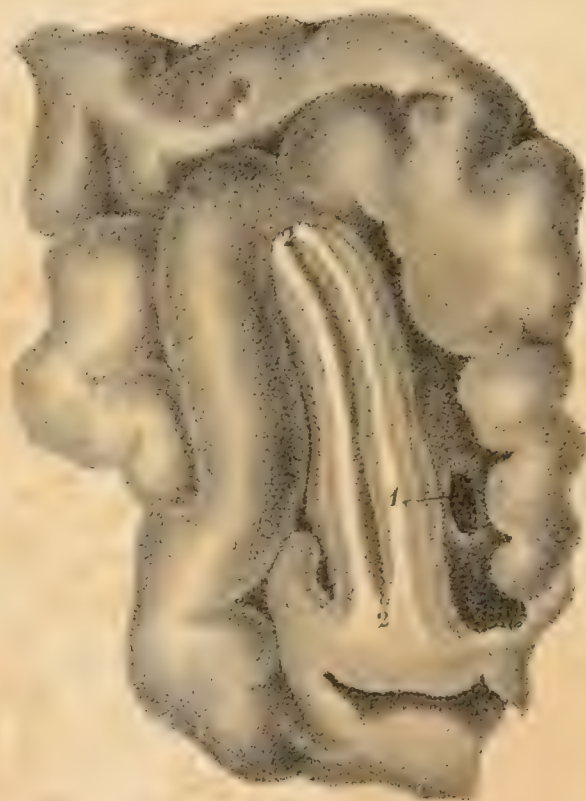


Fig. 3.

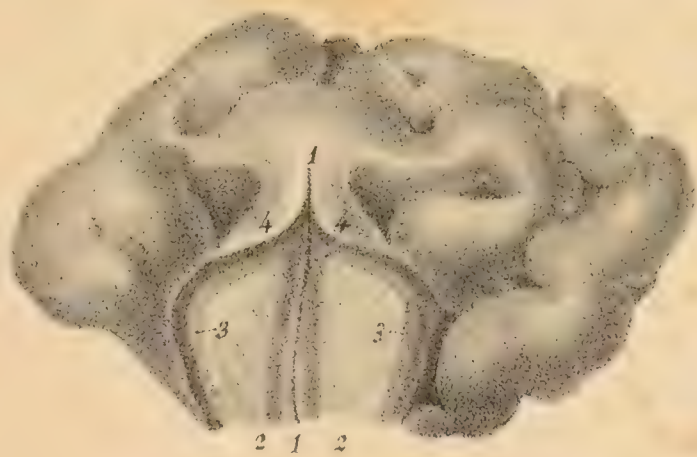


Fig 5.

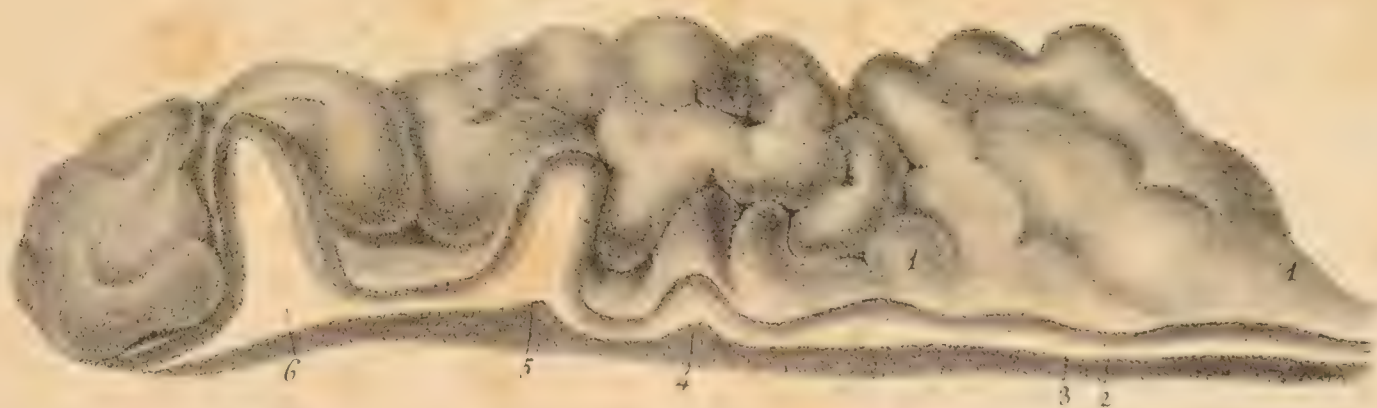


Fig 1



Fig. 5.



Fig 5.



Fig. 6.

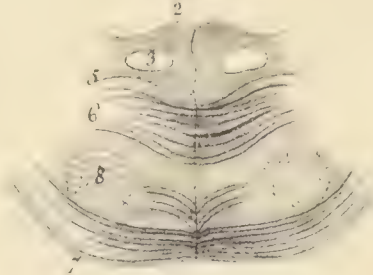


Fig 2



Fig 4

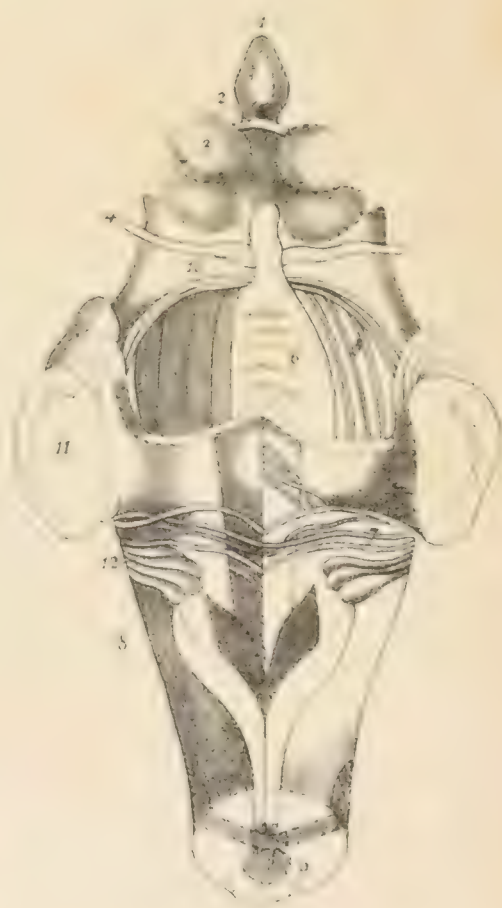


Fig 7

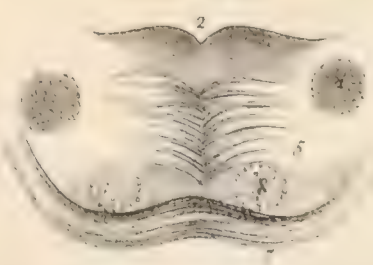


Fig 1

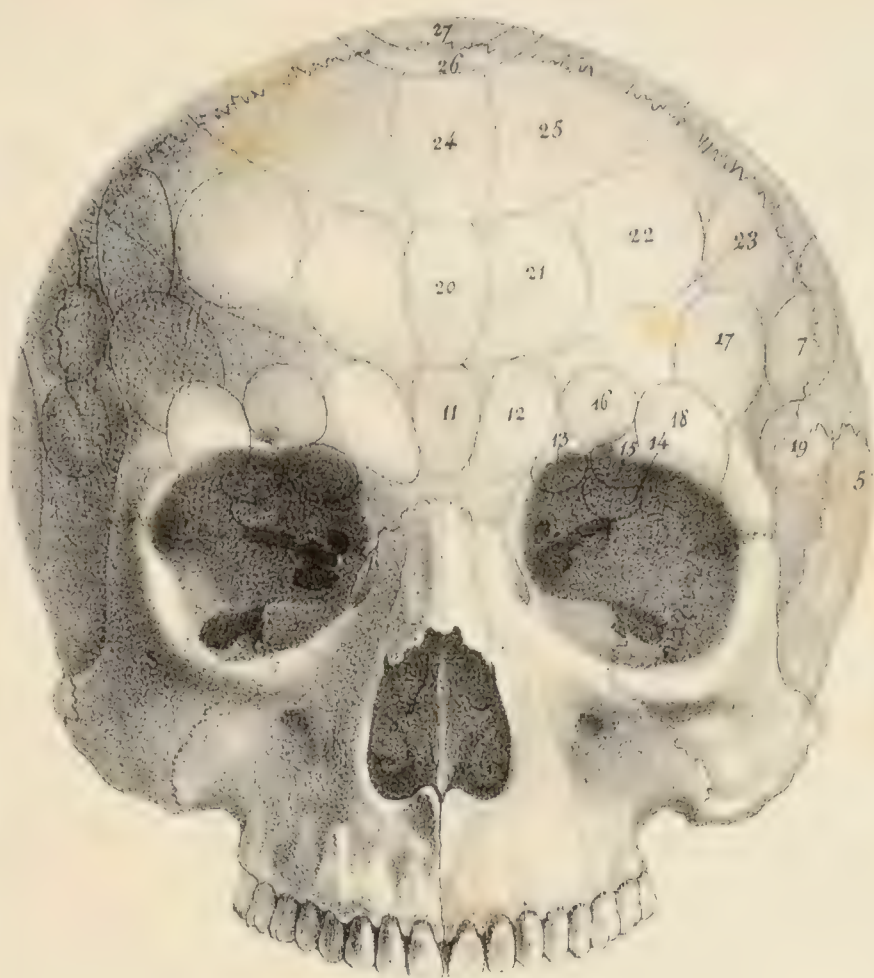


Fig 2

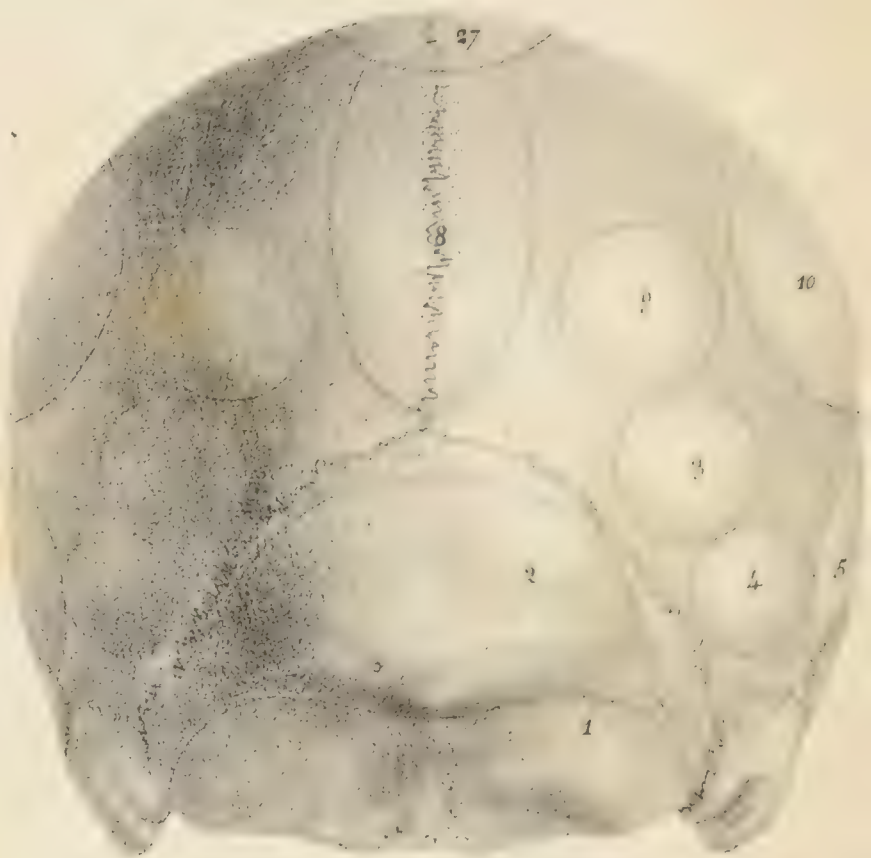


Fig 3.



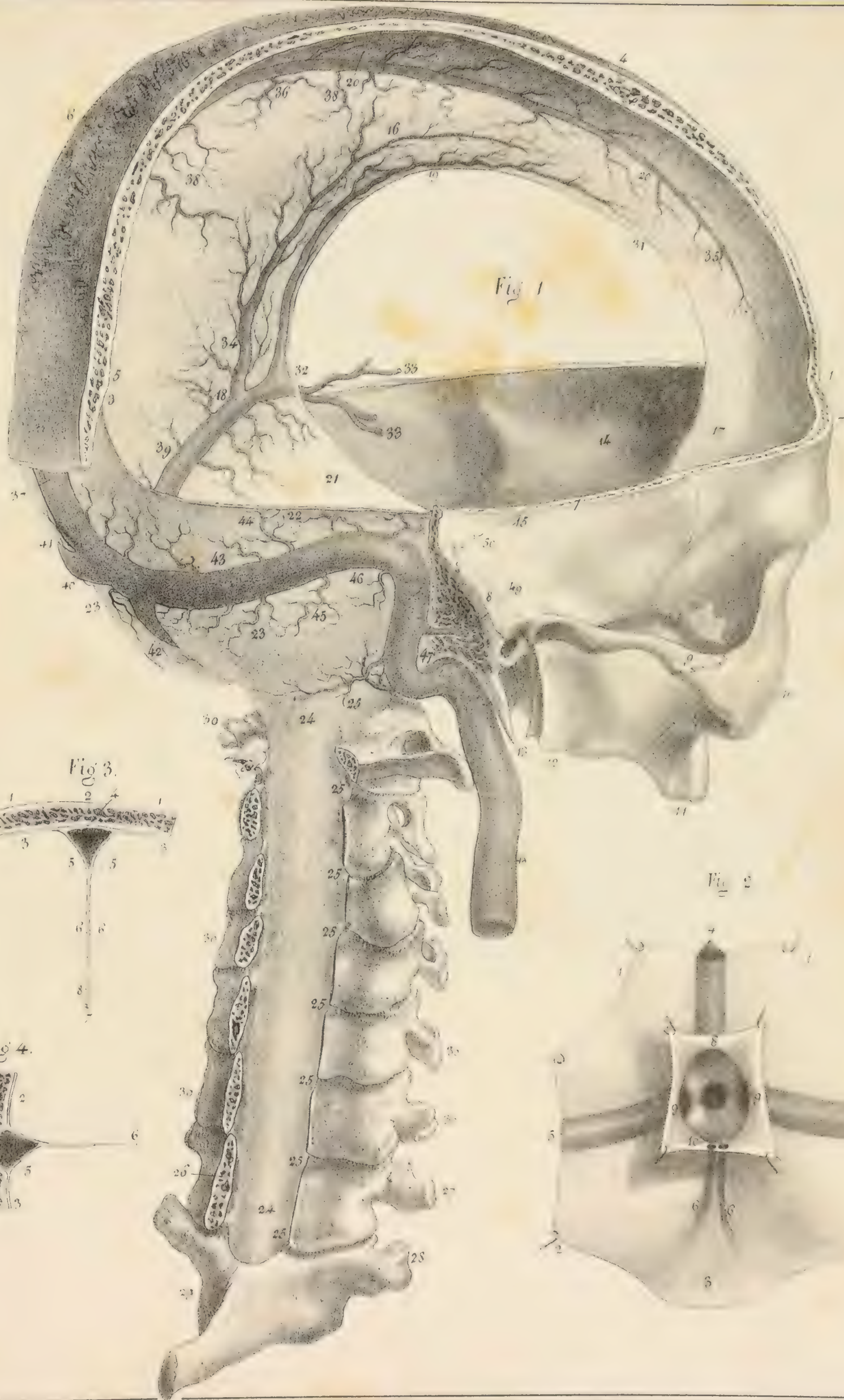


Fig 1

Fig 3.



Fig 4.

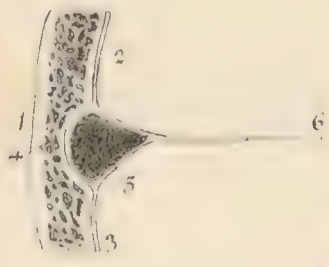
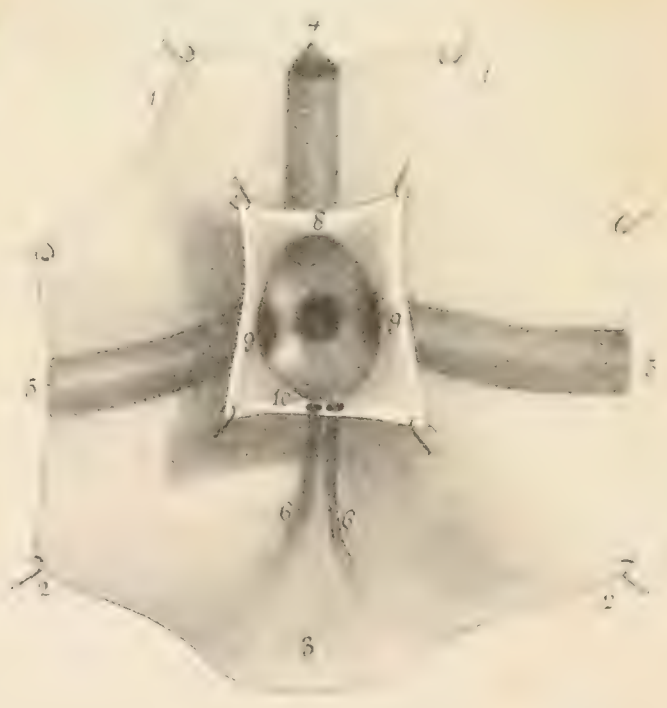


Fig 2







cd/

